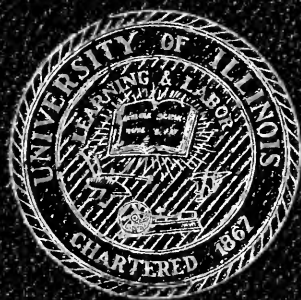


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ANNUAL REGISTER
1922-1923

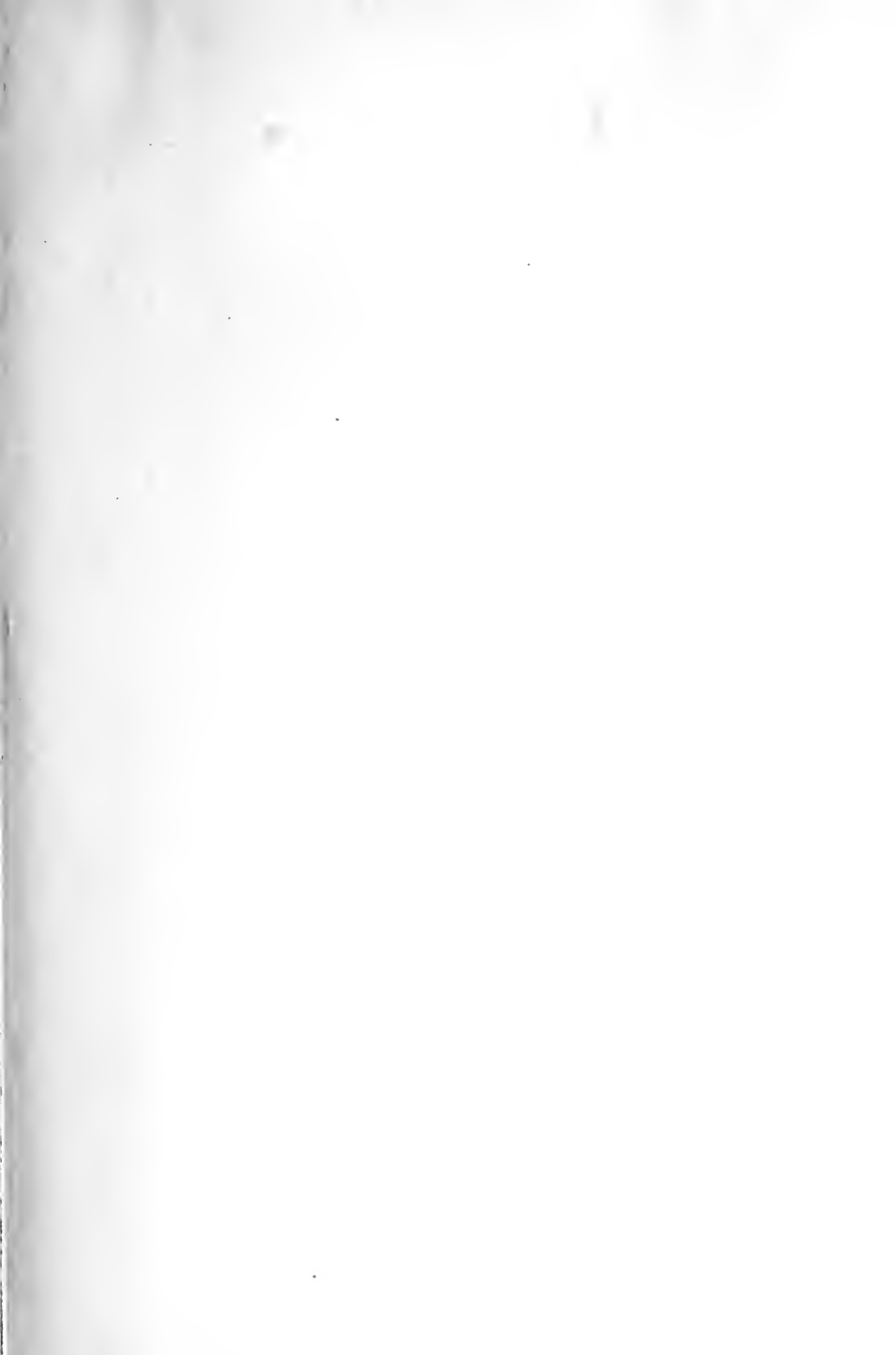


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UNIVERSITY OF ILLINOIS

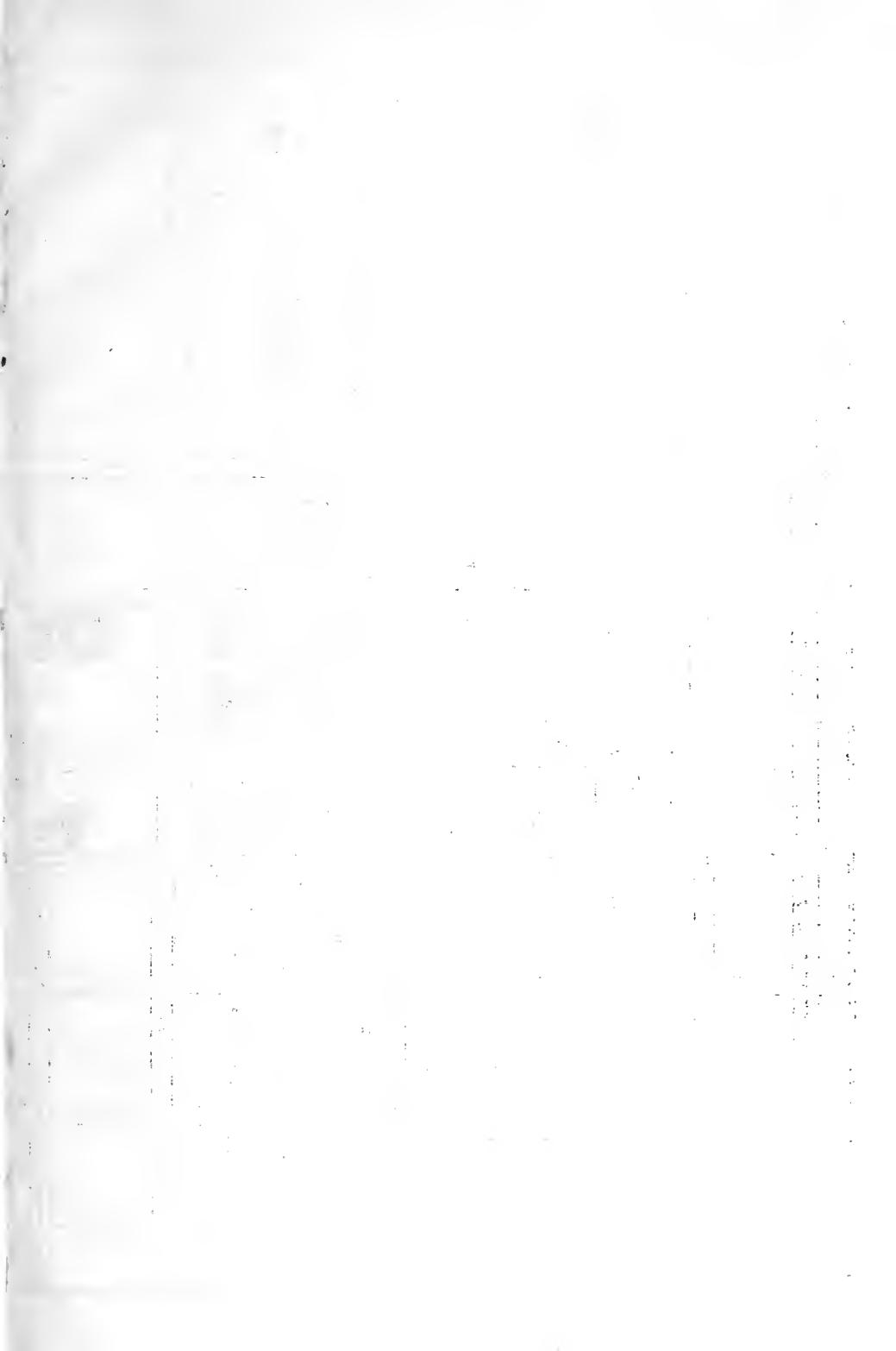
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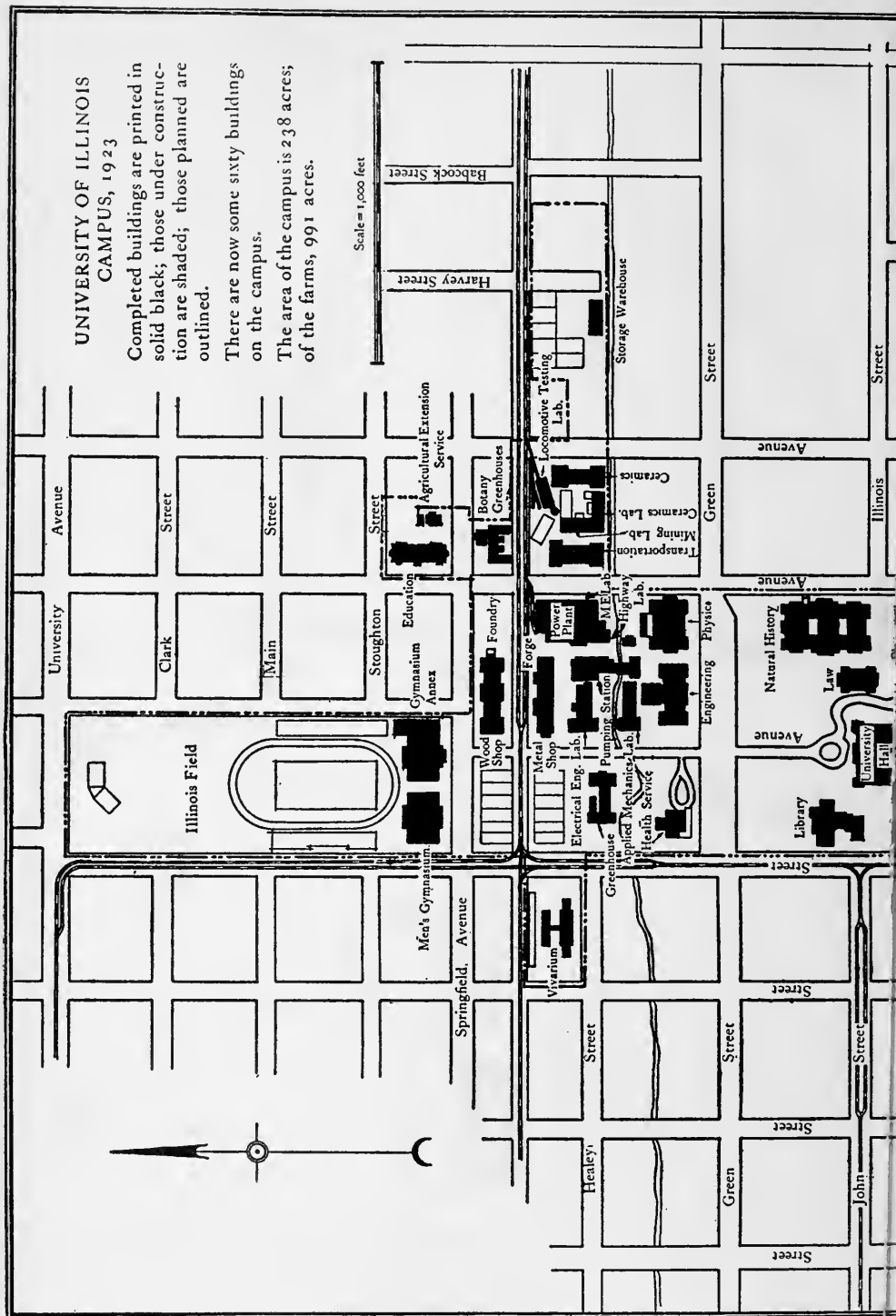
UNIVERSITY OF ILLINOIS CAMPUS, 1923

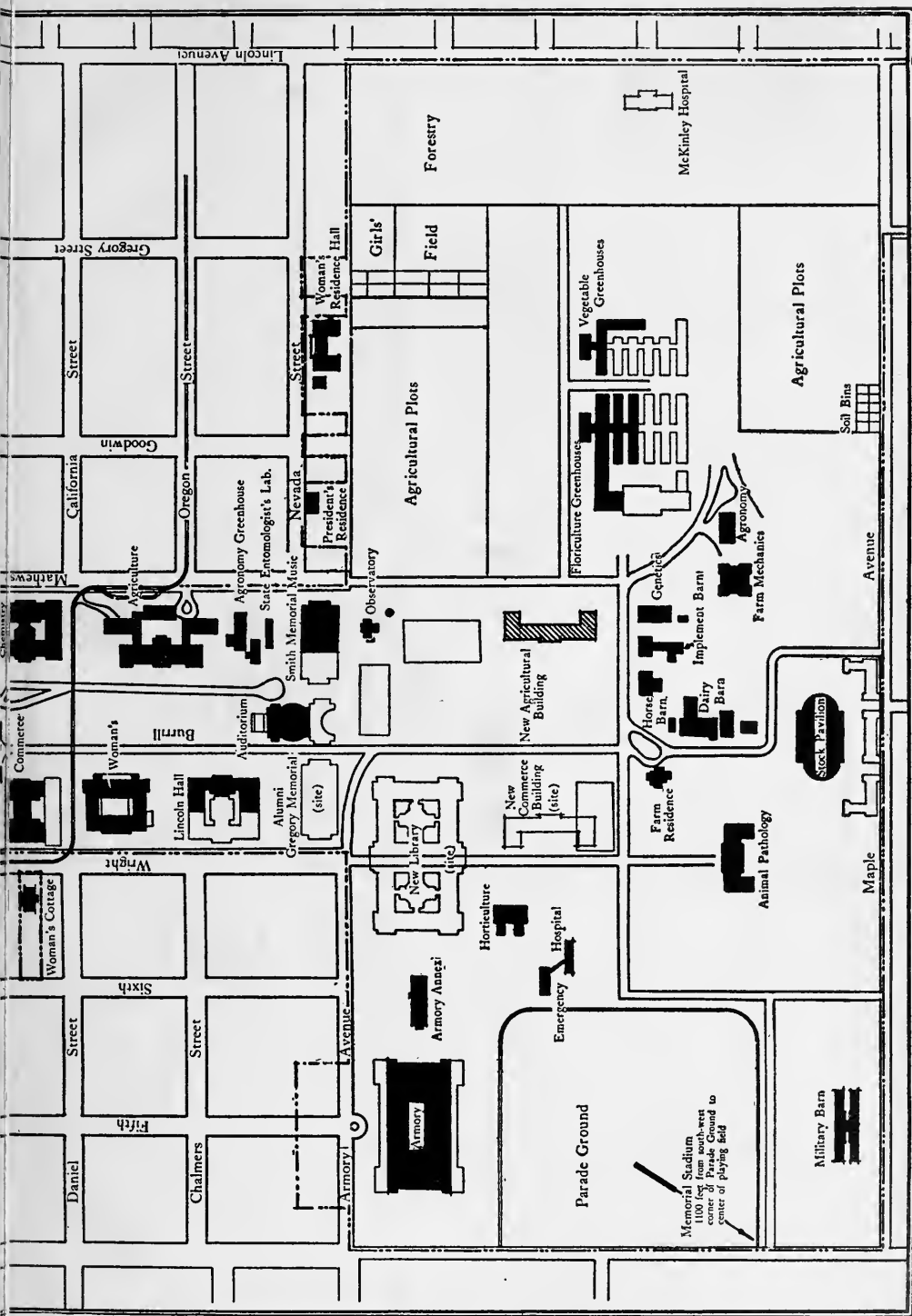
Completed buildings are printed in solid black; those under construction are shaded; those planned are outlined.

There are now some sixty buildings on the campus.

The area of the campus is 238 acres; of the farms, 991 acres.

Scale = 1,000 feet







Learning and Labor

University of Illinois

ANNUAL REGISTER 1922-1923

General Announcements, 1923-1924
Faculty and Courses, 1922-1923
Students, 1922-1923

URBANA
PUBLISHED BY THE UNIVERSITY
MARCH, 1923



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1922/23

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CALENDAR, 1922, 1923, 1924

1922

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THE UNIVERSITY CALENDAR

1922-1923-1924

FIRST SEMESTER, 1922-1923

Sept. 11-15, Mon.-Fri.	Entrance Examinations, Urbana and Chicago
Sept. 12, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
SEPT. 18-19, MON.-TUES.	REGISTRATION DAYS
Sept. 18-23, Mon.-Sat.	Examinations for removal of conditions, Chicago Professional Schools
Sept. 20, Wed., 8 a. m.	Instruction begun
4 p. m.	Freshman convocation
Sept. 23, Sat., 5 p. m.	Latest day for change of study-list without fee
Sept. 25, Mon.	Military Drill and Hygiene lectures (Hygiene 1 for men, and 2 for women) begun
Sept. 25-30, Mon.-Sat.	Examinations for removal of conditions, Chicago Professional Schools
Sept. 30, Sat., 12 m.	Latest day for rebates in full
Oct. 2, Mon., 8 a. m.	Registration, Chicago Professional Schools
Oct. 6, Fri., 4 p. m.	Senate meeting.
8 p. m.	President's Reception, Woman's building.
Oct. 16, Mon.	Assignment of vacant scholarships in agriculture and home economics
Oct. 26-28, Thurs.-Sat.	Inspection trips, College of Engineering
Nov. 6, Mon., 5 p. m.	Latest day for announcement of subjects for all undergraduate and graduate theses
Nov. 11, Sat.	Armistice Day convocation
Nov. 16-18, Thurs.-Sat.	Home Economics inspection trip
Nov. 18, Sat., 12 m.	Latest day for rebate of one-half fees
	Latest day for removal by seniors graduating in February of last semester or summer session failures, and for substitution in course
Nov. 23-25, Thurs.-Sat.	High School Conference
Nov. 29, Wed., 12 m.	Thanksgiving recess begun, Chicago Professional Schools
Nov. 30, Thurs.	Thanksgiving Day
Dec. 3, Sun.	Illinois Day
Dec. 4, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
Dec. 4, Mon., 4 p. m.	Senate meeting
Dec. 12, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
8 p. m.	Christmas concert
Dec. 8, Fri., 8 p. m.	Iowa-Minnesota-Illinois debates
Dec. 22, Fri., 11 a. m.	Junior promenade
5 p. m.	Holiday recess begun
Dec. 30, Sat., 5 p. m.	Holiday recess begun, Chicago Professional Schools
	Latest day for submission of outlines of theses by candidates for professional degrees in engineering.
1923	
Jan. 3, Wed., 1 p. m.	Instruction resumed, Chicago Professional Schools
Jan. 9, Tues.	Instruction resumed
Jan. 20, Sat.	Time limit on special examinations effective
Jan. 22-27, Mon.-Sat.	Semester examinations begun
Jan. 29-Feb. 2, Mon.-Fri.	Farmers' Week
Jan. 31-Feb. 3, Wed.-Sat.	Semester examinations, Chicago Professional Schools
Jan. 31, Wed.	Entrance Examinations
	Semester examinations ended

SECOND SEMESTER, 1922-1923

FEB. 5-6, MON.-TUES.	REGISTRATION DAYS
Feb. 7, Wed., 8 a. m.	Instruction begun
	Registration, Chicago Professional Schools
Feb. 10, Sat., 5 p. m.	Latest day for change of study-list without fee
Feb. 12, Mon.	Lincoln Day
4 p. m.	Senate meeting
	Time limit on special examinations expires
Feb. 17, Sat.	Last day for rebates in full
Feb. 22, Thurs.	Washington Day
Feb. 23, Fri.	Military ball
Mar. 2, Fri.	University Day
	Annual band concert
Mar. 13, Tues.	Annual meeting of the Board of Trustees
Mar. 16, Fri.	Michigan-Illinois-Wisconsin debate
Mar. 29, Thurs., 11 a. m.	Easter recess begun
5 p. m.	Easter recess begun, Chicago Professional Schools
Mar. 31, Sat., 12 m.	Latest day for filing of completed theses by candidates for professional degrees in engineering.
	Instruction resumed, Chicago Professional Schools
Apr. 2, Mon., 8 a. m.	Senate meeting
4 p. m.	Instruction resumed
Apr. 3, Tues., 1 p. m.	Latest day for rebates of one-half fees, and for removal by seniors of first semester failures, and for substitutions in course
Apr. 7, Sat., 12 m.	Northern Oratorical League contest
	Latest day for the receipt by the Dean of the Graduate School of certified copies of doctors' theses
May 4, Fri.	Hazelton prize drill
May 12, Sat., 12 m.	Annual inspection
May, between 15 and 31	Company competitive drill
	Time limit on special examinations effective
May 15, Tues.	Interscholastic oratorical contest
May 18, Fri.	Interscholastic athletic meet
May 19, Sat.	Final examinations begun
May 26, Sat.	Military Day
May 28, Mon.	Memorial Day
May 30, Wed.	Final examinations, Chicago Professional Schools
May 28, Mon.-June 8, Fri.	Latest day for acceptance of undergraduate theses
June 1, Fri.	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 2, Sat.	Senate meeting
	Final examinations ended
June 4, Mon., 4 p. m.	Class Day, College of Dentistry
June 6, Wed.	Class Day and alumni meeting, College of Medicine
June 8, Fri.	Annual Commencement, Chicago Professional Schools
	Baccalaureate address
June 9, Sat., 10 a. m.	Class Day
June 10, Sun.	Senior ball
June 11, Mon.	Alumni Day
8:30 p. m.	Quarterly meeting of the Board of Trustees
June 12, Tues.	FIFTY-SECOND ANNUAL COMMENCEMENT
10 a. m.	
JUNE 13, WED.	

SUMMER SESSION, 1923

JUNE 18, MON.	REGISTRATION DAY
June 19, Tues., 8 a. m.	Instruction begun
June 25, Mon., 5 p. m.	Latest day for rebates in full
July 14, Sat., 12 m.	Latest day for rebates of one-half fees
Aug. 10-11, Fri.-Sat.	Final examinations

FIRST SEMESTER, 1923-1924

Sept. 11, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
Sept. 10-14, Mon.-Fri.	Entrance examinations, Urbana and Chicago
SEPT. 17-18, MON.-TUES.	REGISTRATION DAYS
Sept. 19, Wed., 8 a. m.	Instruction begun
4 p. m.	Freshman convocation
Sept. 21, Fri., 8 p. m.	President's reception, Woman's Building
Sept. 22, Sat., 5 p. m.	Latest day for change of study-list without fee
Sept. 24, Mon.	Military Drill and Hygiene lectures (Hygiene 1 for men and 2 for women) begun
Sept. 24-29, Mon.-Sat.	Examinations for removal of conditions, Chicago Professional Schools
Sept. 29, Sat., 5 p. m.	Latest day for rebates in full
Oct. 1, Mon., 8 a. m.	Registration, Chicago Professional Schools
4 p. m.	Senate meeting
Oct. 15, Mon.	Assignment of vacant scholarships in agriculture and home economics
Oct. 24-27, Wed.-Sat., 12 m.	Inspection trip, College of Engineering
Oct. 24-30, Wed.-Tues.	Inspection trip, Mining, Engineering
Nov. 5, Mon., 5 p. m.	Latest day for announcement of subjects for all undergraduate and graduate theses
Nov. 11, Sun.	Armistice Day
Nov. 15-17, Thurs.-Sat.	Home economics inspection trip
Nov. 17, Sat.	Latest day for rebate of one-half fees
	Latest day for removal by seniors graduating in February of last semester or summer session failures, and for subscriptions in courses
Nov. 22-24, Thurs.-Sat.	High School Conference
Nov. 28, Wed., 12 m.	Thanksgiving recess begun, Chicago Professional Schools
Nov. 29, Thurs.	Thanksgiving Day
Dec. 3, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
4 p. m.	Illinois Day
Dec. 7, Fri., 8 p. m.	Senate meeting
	Iowa-Minnesota-Illinois debates
Dec. 11, Tues., 10 a. m.	Junior promenade
Dec. 14, Fri., 8 p. m.	Quarterly meeting of the Board of Trustees
Dec. 22, Sat., 11 a. m.	Christmas concert
5 p. m.	Holiday recess begun
Dec. 31, Mon., 5 p. m.	Holiday recess begun, Chicago Professional Schools
	Latest day for submission of outlines of theses by candidates for professional degrees in engineering

1924

Jan. 3, Thurs., 8 a. m.	Instruction resumed, Chicago Professional Schools
1 p. m.	Instruction resumed
Jan. 8, Tues.	Special examinations not allowed on or after this date
Jan. 19, Sat.	Semester examinations begun
Jan. 21-26	Farmers' Week.
Jan. 28-Feb. 1, Mon.-Fri.	Semester examinations, Chicago Professional Schools
Jan. 30-Feb. 2, Wed.-Sat.	Entrance examinations, Urbana
Jan. 30, Wed.	Semester examinations ended
FEB. 4-5, MON.-TUES.	REGISTRATION DAYS
Feb. 6, Wed., 8 a. m.	Instruction begun
Feb. 9, Sat., 5 p. m.	Registration, Chicago Professional Schools
Feb. 11, Mon.	Last day for change of study list without fee
4 p. m.	Special examinations again permitted
Feb. 12, Tues.	Senate meeting
Feb. 16, Sat.	Lincoln Day
Feb. 22, Fri.	Last day for rebates in full
	Washington Day
	Military ball
Mar. 2, Sun.	University Day
Mar. 7, Fri.	Annual band concert

Mar. 11, Tues.	Annual meeting of the Board of Trustees
Mar. 14, Fri.	Michigan-Illinois-Wisconsin debate
Apr. 1, Tues., 5 p. m.	Latest day for filing of completed theses by candidates for professional degrees in engineering
Apr. 5, Sat., 12 m.	Latest day for rebates of one-half fees and for removal by seniors of first-semester failures, and for substitutions in course
Apr. 7, Mon., 4 p. m.	Senate meeting
Apr. 17, Thurs., 11 a. m.	Easter recess begun
5 p. m.	Easter recess begun, Chicago Professional Schools
Apr. 21, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
Apr. 22, Tues., 1 p. m.	Instruction resumed
May 2, Fri.	Northern Oratorical League contest
May, between 15 and 31	Hazleton prize drill
	Annual inspection
	Company competitive drill
May 10, Sat., 12 m.	Latest day for the receipt by the Dean of the Graduate School of certified copies of doctor's theses
May 13, Tues.	Special examinations not allowed on or after this date
May 16, Fri.	Interscholastic oratorical contest
May 17, Sat.	Interscholastic athletic meet
May 24, Sat.	Final examinations begun
May 26, Mon.-June 6, Fri.	Final examinations, Chicago Professional Schools
May 28, Wed.	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
May 30, Fri.	Memorial Day. Military Day.
May 31, Sat.	Latest day for acceptance of undergraduate theses
June 2, Mon., 4 p. m.	Senate meeting
June 4, Wed.	Final examinations ended
June 6, Fri.	Class Day, College of Dentistry
	Class Day, and alumni meeting, College of Medicine
June 7, Sat., 10 a. m.	Annual Commencement, Chicago Professional School
June 8, Sun.	Baccalaureate address
June 9, Mon.	Class Day
	Senior ball
June 10, Tues.	Alumni Day
10 a. m.	Quarterly meeting of the Board of Trustees
JUNE 11, WED.	FIFTY-FIRST ANNUAL COMMENCEMENT

THE BOARD OF TRUSTEES

MEMBERS EX OFFICIO

The Governor of Illinois

HON. LEN SMALL.....*Springfield*

The Superintendent of Public Instruction

HON. FRANCIS G. BLAIR.....*Springfield*

ELECTED MEMBERS

(Terms 1917-1923)

WILLIAM L. ABBOTT.....*72 West Adams Street, Chicago*

MARY E. BUSEY.....*Urbana*

OTIS W. HOIT.....*Geneseo*

(Term 1919-1925)

JOHN M. HERBERT.....*Murphysboro*

CAIRO A. TRIMBLE.....*Princeton*

MARGARET D. BLAKE.....*25 E. Walton Place, Chicago*

(Term 1921-1927)

LAURA B. EVANS.....*Taylorville*

HELEN M. GRIGSBY.....*Pittsfield*

WILLIAM L. NOBLE.....*31 N. State Street, Chicago*

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ARTHUR M. BURKE, Champaign.....*Treasurer*

LLOYD MOREY, Urbana.....*Comptroller*

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Executive Committee

William L. Abbott, Chairman; Mary E. Busey, Otis W. Hoit

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Instruction—Francis G. Blair, Chairman; Helen M. Grigsby, William L. Noble.

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MR. A. W. GATES.....	Monmouth
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MR. THEODORE G. DICKINSON.....	Chicago

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Animal Husbandry Section—

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MR. WILLIAM S. CORSA.....	Whitehall
MR. A. A. ARMSTRONG.....	Camargo
MR. A. F. RISING.....	Champaign
MR. J. G. IMBODEN.....	Decatur

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DR. N. W. HEPBURN.....	Peoria
MR. FRED SHUSTER.....	Springfield
SENATOR RODNEY B. SWIFT.....	Lake Forest
MR. GEORGE A. FOX.....	Sycamore
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*MR. EUGENE FUNK.....	Bloomington
MR. WILLIAM WEBB.....	Joliet
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*MR. HARRY WINTER.....	Wenona

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MR. J. V. STEVENSON.....	Streator
MR. J. P. STOUT.....	Chatham
MR. E. L. GILLHAM.....	Edwardsville

Farm Organization and Management Section—

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MR. HARVEY J. SCONCE.....	Sidell
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MR. A. L. McCLAY.....	Hillview
MR. H. M. DUNLAP.....	Savoy
MR. G. A. BRYANT.....	Princeton
MR. AUGUST GEWEKE.....	Des Plaines

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*MR. RALPH ALLEN.....	Delavan
MR. F. I. MANN.....	Gilman
MR. A. N. ABBOTT.....	Morrison
MR. G. F. TULLOCK.....	Rockford

*Recommended but acceptance not received November 15, 1922

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President of the University

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²Deceased, January, 1923.

³On leave of absence.

⁴On leave of absence, first semester.

⁵Deceased March 1, 1923.

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Student Petitions—E. J. Filbey (*Chairman*), G. S. Watkins, H. T. Scovill.
Student Honors—M. H. Hunter (*Chairman*), C. C. Herrmann, R. S. Bauer, M. N. Nelson.
Graduate Work—Simon Litman (*Chairman*), Ivan Wright, A. C. Littleton.
College Assemblies and Lectures—F. A. Russell (*Chairman*), C. C. Herrmann, E. R. Dillavou.
Student Organizations—B. T. Davidson (*Chairman*), A. G. Anderson, E. J. Miller.

Committees of the College of Engineering

- Committee on Alumni Records and Employment*—H. H. Jordan (*Chairman*), B. W. Benedict, O. A. Leutwiler, C. C. Williams.
- Committee on Arrangement of Group Examinations*—M. L. Enger (*Chairman*), O. A. Leutwiler, F. M. Porter, E. H. Williams.
- Committee on Courses and Curriculums*—M. L. Enger (*Chairman*), H. E. Babbitt, G. A. Goodenough, H. H. Jordan, C. T. Knipp, O. A. Leutwiler, Rexford Newcomb, C. E. Palmer, C. W. Parmelee, J. M. Snodgrass, H. H. Stoek, E. H. Waldo, C. C. Williams.
- Committee on Graduate Work*—A. N. Talbot (*Chairman*), A. P. Carman, G. A. Goodenough, E. B. Paine, A. C. Willard.
- Committee on Inspection Trips*—H. E. Babbitt (*Chairman*), Hardy Cross, A. E. Drucker, R. K. Hursh, H. H. Jordan, E. E. King, O. A. Leutwiler, E. B. Paine, C. E. Palmer.
- Committee on Lectures*—E. C. Schmidt (*Chairman*), A. E. Drucker, H. H. Jordan, E. B. Paine, L. H. Provine, C. C. Wiley.
- Committee on Library*—A. P. Carman (*Chairman*), G. W. Pickels, F. B. Seely, E. H. Waldo.
- Department representatives to cooperate with this Committee*—J. O. Draffin, R. P. Hoelscher, E. E. King, H. J. Macintire, R. Newcomb, C. W. Parmelee, W. F. Schulz, C. M. Smith.
- Committee on Petitions (ex-officio)*—H. H. Jordan (*Chairman*), M. L. Enger, W. H. Rayner.
- Committee on Program*—F. B. Seely (*Chairman*), O. A. Leutwiler, H. H. Jordan.
- Department representatives to cooperate with this Committee*—H. E. Babbitt, N. E. Ensign, C. W. Ham, R. K. Hursh, J. K. McNeely, C. E. Palmer, H. N. Parkinson, C. M. Smith, J. K. Tuthill, E. H. Waldo, F. R. Watson, C. C. Williams.
- Committee on Registration*—H. H. Jordan (*Chairman*), H. E. Babbitt, A. E. Drucker, M. L. Enger, R. K. Hursh, A. R. Knight, O. A. Leutwiler, C. R. McAnlis, T. D. Mylrea, J. A. Polson, F. M. Porter, J. K. Tuthill, E. H. Williams.
- Committee on Transfer of Credits*—M. L. Enger (*Chairman*), G. A. Goodenough, H. H. Jordan, Rexford Newcomb, E. B. Paine, C. W. Parmelee, J. M. Snodgrass, H. H. Stoek, F. R. Watson, W. M. Wilson.
- Committee on Summer Employment*—B. W. Benedict (*Chairman*), H. H. Jordan, E. B. Paine, C. W. Parmelee, L. H. Provine, E. C. Schmidt, H. H. Stoek, A. N. Talbot, A. C. Willard, C. C. Williams.
- Committee on Scrutiny of Students' Records*—A. N. Talbot (*General Chairman*).

Committees of the College of Agriculture

- Committee on Courses of Study*—H. B. Dorner (*Chairman*), W. L. Burlison, H. A. Ruehe, J. W. Lloyd, L. E. Card, H. C. Case, E. W. Lehmann.
- Committee on Student Petitions*—O. R. Overman (*Chairman*), W. G. Kammlade, H. W. Anderson, D. C. Wimer, May E. McAdams.
- Committee on Delinquent Students*—Sleeter Bull (*Chairman*), E. E. DeTurk, W. W. Yapp, R. I. Shawl, A. S. Colby, W. H. Young, S. H. White, Harriet Barto.
- Committee on Freshman Courses*—B. A. Stirtz (*Chairman*), R. R. Snapp, G. H. Dungan, F. E. Carver, W. H. Young, C. B. Sayre.
- Committee on Library*—H. H. Mitchell (*Chairman*), O. H. Sears, W. B. Nevens, K. B. Lohmann, Emil Rauchenstein.
- Committee on Foreign Students*—C. M. Woodworth (*Chairman*), M. J. Prucha, C. E. Gates, J. L. Edmonds, A. C. Voge.
- Committee on Faculty Program*—B. S. Pickett (*Chairman*), W. J. Fraser, Elmer Roberts, R. S. Smith, W. H. Smith.
- Committee on Student Honors*—F. H. Rankin (*Chairman, ex-officio*), S. S. Carney, J. B. Rice, F. W. Newton, M. H. Campbell, Virginia H. Weaver.
- Committee on Graduate Study*—W. L. Burlison (*Chairman*), H. W. Ruehe, H. P. Rusk, J. C. Blair, Ruth A. Wardall.

Committees of the School of Music

- Executive Committee*—F. B. Stiven (*Chairman*), G. F. Schwartz, A. A. Harding.
- Program Committee*—Henri J. van den Berg (*Chairman*), Jane C. Watt, Russell H. Miles.
- Committee on Scholarship*—G. F. Schwartz (*Chairman*), Arthur Beresford, Mary D. Phillips,



PART I

GENERAL INFORMATION

LOCATION

The University of Illinois is situated in Champaign County, about fifty miles northeast of the geographical center of the State. It is 126 miles south of Chicago, 118 miles west of Indianapolis, 164 miles northeast of St. Louis.

The campus of the University lies partly within the corporate limits of the city of Urbana and partly within the corporate limits of the city of Champaign. The two municipalities form one community of about thirty thousand inhabitants.

The railway, express, telegraph, and telephone services of both cities are available for the University, and a sub-station of the Urbana post office is located in the University Library Building.

The University may be reached from Chicago and the north and from points in the south by the Illinois Central Railroad. From the east and from the west it may be reached by the Peoria & Eastern Division of the "Big Four" route, as well as by the division of the Wabash Railway which connects Kansas City and St. Louis with Detroit and Buffalo.

The station of the Illinois Central Railroad is in Champaign. The Wabash and "Big Four" have stations in both Champaign and Urbana.

The electric interurban lines of the Illinois Traction System connect Urbana-Champaign with neighboring cities in Illinois, and also with St. Louis.

In matters pertaining to health, conditions are good. Within three blocks of the campus, there is a hospital in which students may be cared for at moderate expense. The University maintains a temporary emergency hospital.

There are thirty-six churches, representing thirteen denominations, and a number of students' religious associations, leagues, and guilds, including Young Men's and Young Women's Christian Associations.

The University does not provide dormitories and commons, except in the Women's Residence Halls. The numerous rooming and boarding houses near the campus are, however, to a certain extent under the supervision of the University.

HISTORY

1862. *The Morrill Land Grant*

By this act the national government donated to each state in the Union public land scrip, in quantity equal to 30,000 acres for each senator and representative in Congress, "for the endowment, support, and maintenance of at least one college whose leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, * * * * in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

On account of this grant the State pays the University, semi-annually, interest at the rate of five per cent. on about \$649,000.

Location chosen

To secure the location of the University several counties entered into competition by proposing to donate to its use specified sums of money or their equivalent. Champaign County offered a large brick building in the suburbs of Urbana, erected for a seminary and nearly completed, about 1,000 acres of land, and \$100,000 in county bonds. To this the Illinois Central Railroad added \$50,000 in freight.

1867. *Incorporation*

The institution was incorporated February 28, 1867, under the name of the Illinois Industrial University. It was placed under the control of a Board of Trustees, consisting of the Governor, the Superintendent of Public Instruction, and the President of the State Board of Agriculture, *ex officio* members, and twenty-eight citizens appointed by the Governor. The chief executive officer was called the Regent, and was made *ex officio* member of the Board and the presiding officer of both the Board of Trustees and the Faculty (See also 1873 and 1887 below.)

1867. *Dr. Gregory Regent*

On March 12, 1867, John Milton Gregory, LL.D., was elected Regent of the University. On April 1, 1867, Dr. Gregory accepted the position and entered on his duties. He served as Regent until September 1, 1880.

1868. *The University opened*

The University opened on March 2, 1868. The number of students enrolled was about fifty; the faculty consisted of the Regent and two professors. During the first term another instructor was added, and the number of students increased to 77—all men.

During the first term instruction was given in algebra, geometry, physics, history, rhetoric, and Latin. Work on the farm and gardens or about the buildings was at first compulsory for all students. In March of the next year, however, compulsory labor was discontinued, save when it was to serve as a part of instruction.

1868-69. *The first laboratories*

During the autumn of 1868 a chemical laboratory was provided, and laboratory work in botany was begun the following year.

1870. *Pioneer shop instruction*

In January, 1870, a mechanical shop was equipped with tools and machinery, and here was begun the *first shop instruction* given in any American university. In the summer of 1871 the Wood Shops and Testing Laboratory (burned on June 9, 1900) were erected and equipped for students' shop work in both wood and iron.

1870. *Women admitted*

On March 9, 1870, the Trustees voted to admit women as students. In the year 1870-71 twenty-four availed themselves of the privilege. Since that time they have constituted from one-sixth to one-fifth of the total number of students.

1873. *First reorganization of the Board of Trustees*

At this time the number of members was reduced from thirty-two (see 1867 above) to eleven—the Governor and the President of the State Board of Agriculture, *ex officio*, and nine others, who were still appointed by the Governor. Since this time also, the President of the Board has been chosen by the members from among their own number for a term of one year. (See also 1887 below.)

1877. *Authority to confer degrees received*

According to the original State law, the usual diplomas and degrees could not be granted by the University; certificates showing the studies pursued and the attainments in each were given instead. The certificates proved unsatisfactory to the holders, and in 1877 the legislature gave the University authority to confer degrees and issue diplomas.

1880-81. *Dr. Peabody Regent*

In June, 1880, Regent Gregory's resignation was accepted to take effect September 1, 1880, and Selim Hobart Peabody, A.B., Ph.D., Professor of Mechanical Engineering and Physics, was made Regent *pro tempore*. At the next annual meeting, in March, 1881, he was elected Regent.

1885. *Change of name*

In this year the General Assembly changed the name of the institution from the *Illinois Industrial University* to the *University of Illinois*.

1885. *The State Laboratory of Natural History transferred to the University*

Merged in the State Natural History Survey in 1917. (See Part VI.)

1887. *Second reorganization of the Board of Trustees*

In 1887, a law was passed making membership in the Board elective at a general State election and restoring the Superintendent of Public Instruction as an *ex officio* member. There were then, therefore, three *ex officio* and nine elective members. (For the previous organization of the Board see 1867 and 1873 above. See also 1919 below.)

1887. *The Agricultural Experiment Station established at the University*

See Part VI.

1890. *Additional Federal endowment*

In 1890, the Congress of the United States made further appropriations for the endowment of the institutions founded under the act of 1862. Under this enactment each college or university so founded received the first year \$15,000, the second year \$16,000, and in each succeeding year a sum larger by \$1,000 than the amount of the preceding year, until the amount reached \$25,000, the sum paid yearly thereafter.

1891. *Dr. Burrill Acting Regent*

In June, 1891, Regent Peabody's resignation was accepted, to take effect September 1, and in August, Thomas Jonathan Burrill, A.M., Ph.D., Professor of Botany and Horticulture, was appointed Acting Regent. Dr. Burrill served in this capacity until September, 1894.

1892. *The Graduate School*

Beginning with this year, graduate work was undertaken under the name of the Graduate School, but without the organization of a separate faculty.

1894. *The Summer Session*

The first Summer Session of the University was authorized by a vote of the Trustees on March 3, 1894, and was opened in June of that year.

1894. *Dr. Draper President*

On April 13, 1894, Andrew Sloan Draper, LL.D., was elected Regent. He accepted May 10, 1894. On August 1, his title was changed to President. Dr. Draper entered on his duties on August 1, 1894. He served until June, 1904.

1896. *The School of Pharmacy*

On May 1, 1896, the Chicago College of Pharmacy, founded in 1859, became the School of Pharmacy of the University of Illinois.

1897. *The College of Medicine*

Negotiations which had been going on for several years, looking to the affiliation of the College of Physicians and Surgeons of Chicago with the University, were concluded by the Board of Trustees March 9, 1897. Accordingly, the College of Physicians and Surgeons became, on April 21, 1897, the College of Medicine of the University of Illinois. (The College of Medicine was discontinued on June 30, 1912, but was reopened on February 12, 1913.)

1897. *The School of Music*

By vote of the Trustees on June 9, 1897, the department of music, which had been reorganized and enlarged in 1895, was erected into the School of Music, with a separate faculty and organization.

1897. *The State Water Survey authorized*

See Part VI.

1897. *The Library School*

In 1897, the School of Library Economy, which had been established in 1893 at the Armour Institute of Technology in Chicago, was transferred to the University, the Director of that school was appointed Librarian of the University Library, and the Library School was opened.

Pursuant to an action of the Board of Trustees, taken December 8, 1896, the School of Law was organized, and was opened September 13, 1897. The course of study covered two years, in conformity with the then existing requirements for admission to the bar of Illinois. In the following November the Supreme Court of the State announced rules relating to examination for admission to the bar which made three years of study necessary, and the course in the Law School was immediately rearranged on that basis. On February 9, 1900, by vote of the Board of Trustees, the name of the School of Law was changed to *College of Law*.

1899. *The State Entomologist's Office permanently established at the University*

Merged in the State Natural History Survey in 1917.

See Part VI.

1900. *Courses in Business Administration*

In 1900, the General Assembly made an appropriation for the establishment of courses of training for business life, and, in accordance with that action, the Trustees approved the organization of the Courses in Business Administration. (See also 1915 below.)

1901. *The College of Dentistry*

In accordance with an action taken by the Board of Trustees on March 12, 1901, a School of Dentistry was organized as a department of the College of Medicine. The School was opened October 3, 1901. The name was changed to *College of Dentistry* on April 27, 1905. (The College of Dentistry was discontinued on June 30, 1912, but was reopened on October 1, 1913.)

1903. *The Board of Examiners in Accountancy created*

See Part VI.

1903. *The Engineering Experiment Station established*

See Part VI.

1904. *Dr. James President*

On March 9, 1904, President Draper's resignation was accepted, to take effect July 1. On August 23, 1904, Edmund Janes James, Ph.D., LL.D., was elected President. He accepted on August 26, 1904, and entered on his duties in the fall of that year. He was appointed President *Emeritus* beginning September 1, 1920.

1905. *The School of Education*

By a vote of April 27, 1905, the Board of Trustees established the School of Education, to provide for the professional training of teachers. (See also 1918 below.)

1905. *The State Geological Survey established*

See Part VI.

1906. Adams Fund

This fund was created by an Act of Congress dated March 16, 1906, and provided for an appropriation of \$5,000 for the year ending June 30, 1906, and an increase of \$2,000 a year for five years. The present appropriation to the University under the Adams Act is, therefore, \$15,000 a year. Its use is limited to the necessary expenses of original research and experimental work in agriculture.

1907. Nelson Fund

This fund was created by an Act of Congress dated March 4, 1907, and carried with it an appropriation of \$5,000 for the fiscal year ending June 30, 1908, and an annual increase of \$5,000 for four years. The present appropriation to the University under the Nelson Act, is therefore, \$25,000 per year. Its uses are identical with those of the Morrill Fund.

1906-7. The School of Railway Engineering and Administration

On January 30, 1906, the Board of Trustees created in the College of Engineering a department of railway engineering; on January 22, 1907, supplementing that action, it established the School of Railway Engineering and Administration. (See also 1917.)

1906-7. The Graduate School organized as a separate faculty

The General Assembly appropriated \$50,000 for the Graduate School, and the Executive Faculty of that school was organized.

1909. The Department of Mining Engineering

The General Assembly established the Department of Mining Engineering in the College of Engineering.

1911. The Mill Tax

The General Assembly passed a law providing that in the year 1912, and annually thereafter, the proceeds of a tax of one mill for each dollar of the assessed valuation of the taxable property of the State should be set apart as a fund for the maintenance of the University. In 1919, the rate was reduced to two-thirds of a mill.

1911. Cooperative Investigation of Illinois Coal Problems

See Part VI.

1912. The Colleges of Medicine and Dentistry discontinued

The Colleges of Medicine and Dentistry were discontinued on June 30, 1912.

1913. The Colleges of Medicine and Dentistry reopened

On February 12, 1913, the Board of Trustees accepted the gift of the capital stock of the College of Physicians and Surgeons, donated to the University by the alumni and other friends of medical education in Chicago, and the College of Medicine was reopened.

The College of Dentistry was reopened on October 1, 1913.

1913. The College of Liberal Arts and Sciences

In this year the College of Literature and Arts and the College of Science were united to form the College of Liberal Arts and Sciences.

1915. The College of Commerce and Business Administration

The Courses in Business Administration, organized in 1900, were erected into a separate College of Commerce and Business Administration.

1917. The School of Railway Engineering and Administration suspended

In 1917, the activities of this school were suspended because the leading members of its faculty were called away for war service.

1918. The University Press

One June 1, 1918, the Board of Trustees authorized the organization of the University Press, to have charge of the editorial, printing, and publishing activities of the University. (See Part IV.)

1918. The College of Education

On June 1, 1918, the Board of Trustees voted to erect the School of Education into a separate College of Education.

1910. Third Reorganization of the Board of Trustees

In 1917, the General Assembly passed a law reorganizing the administration of the State. By virtue of this law, on January 1, 1919, the office of the President of the State Board of Agriculture was abolished. There are now, therefore, eleven members, two *ex officio* and nine elective.

1920. Dr. Kinley President

On June 10, 1919, President James was granted a leave of absence extending to September, 1920. David Kinley, Ph.D., LL.D., was appointed Acting President for that period. On June 2, 1920, following President James's resignation in March, Dr. Kinley was elected President.

EQUIPMENT

BUILDINGS AND GROUNDS

The land occupied by the University embraces 238 acres, besides a farm of 991 acres. There are about seventy buildings on the campus.

Liberal Arts

University Hall (erected 1873) is the "old main building" of the University. It occupies three sides of a quadrangle, and is five stories in height. The building is devoted to class rooms and offices.

Lincoln Hall (erected 1911) is a brick, stone, and terra cotta structure. The building provides for the advanced work of the departments of the classics, English, Romance languages, Germanic languages, history, economics, education, political science, sociology, and philosophy. The first three floors provide, in addition to the ordinary class and consultation rooms, seminar libraries and conference rooms. On the fourth floor are research rooms and two museums, the Museum of Classical Art and Archeology, and the Museum of European Culture.

General Science

The Laboratory of Physics (erected 1909) is a three-story fireproof brick building trimmed with Bedford limestone. The main lecture room has a seating capacity of 262. A one-story annex contains the ventilating and heating fans and the machine shop of the department. In addition to the usual large laboratories and recitation rooms, there are about thirty smaller laboratories for advanced experimental work. The department of blue printing and photography occupies rooms on the top floor of the building. Gas, distilled water, compressed air and vacuum, and direct and alternating electric currents of a wide range in amperes and in volts are available in all parts of the building.

The Chemistry Laboratory (original structure erected 1901-2; addition 1914-15) is a brick building. The original structure is of slow burning construction, and the addition is fire-proof. The ground plan is a hollow square, the center court containing the lecture amphitheatre which seats 390. The building contains general laboratories, offices, class and seminar rooms, library, museums, supply rooms, and research laboratories. In this building are also located the offices and laboratories of the State Water Survey and the department of bacteriology.

Natural History Hall (old part erected 1892; addition 1909 and 1912) is occupied by the departments of botany, entomology, zoology, physiology, geology, and mathematics, and the offices of the State Natural History Survey and the State Entomologist. A fire-proof museum equipped with fireproof and dustproof cases, occupies the center of the building. The last unit of the building provides additional museum space and an herbarium.

The Botany Annex (erected 1914) is a greenhouse laboratory divided into compartments that are severally provided with devices for controlling humidity and temperature within close limits for exact experimentation in the fields of plant physiology and pathology. To this laboratory is attached a reconstructed two-story dwelling, giving working and class rooms for use in connection with the experiments conducted under glass.

The Vivarium (erected 1915-16) occupies a main building containing eight laboratories, one office, and store rooms, with supplementary green houses at each end, and a head house serving two greenhouses, together with two screened houses. The main building is a brick structure, two stories high, connected with the head house by a one-story passage from the main corridor. The building is occupied by the departments of zoology and entomology.

The Entomology Building (erected 1905 for the use of the State Entomologist and his staff) is a two-story building with basement storerooms and with two insectary wings of greenhouse construction. It contains the office of the horticultural inspector, a stenographer's room, rooms for the assistant inspectors and insectary assistants, and a large fireproof vault. The glass-covered wings are equipped for experimental entomology and life-history studies.

The Astronomical Observatory (erected 1896) is a brick building. It has three wings and is surmounted by a dome which houses the 12-inch refracting telescope. An adjacent building, erected in 1914, contains a 30-inch short focus reflector.

Commerce and Business Administration

The Commerce Building (erected 1912) is a fireproof building three stories high, with a one-story annex containing a lecture room seating 240. The building provides class rooms, offices, and laboratories for the work in business administration. The exterior first story finish is buff Bedford lime stone; the second and third stories are of brick with carved stone trimmings and cornice. The roof is of tile, and the interior trim is of dark oak. The Administration Building (see page 51) is a second unit of this building and will eventually be occupied by this College.

Education

The Education Building (erected 1917-18) is a fireproof structure of reinforced concrete, faced with Bedford limestone, and is of collegiate Gothic design. It is occupied by the College of Education as a model high school, the college furnishing the corps of instructors under whom the students in the school receive their practical teaching experience. The first floor contains locker and toilet rooms for boys and girls, rooms for manual training, mechanical drawing, sewing and domestic science, as well as general class rooms and the offices of the principal. On the second floor are rooms for the commercial department, various class rooms, and the library. Chemistry, physics, biology, and agriculture take up the greater part of the third floor, the remainder being devoted to class rooms. This building is the first unit of a structure which will occupy the entire block.

Anatomy

Anatomy Laboratory (erected 1922) is a temporary one-story wooden structure used as a laboratory of anatomy for courses in athletic coaching.

Engineering

Engineering Hall (erected 1894) is a four-story building. The first and second floors are occupied by the offices and recitation rooms, and the instrument and drafting rooms of the departments of civil engineering and municipal and sanitary engineering. The main lecture room, on the second floor, has a seating capacity of 225. The third floor is occupied by the offices of the dean of the College of Engineering and Director of the Engineering Experiment Station, and by offices, recitation, and drafting rooms of the department of architecture. All the fourth floor is occupied by the department of architecture.

The Electrical Engineering Laboratory (erected 1898) is a two-story brick building with a basement containing the departmental shop, the storage battery room, the electric furnace room, and rooms for electrical research. The first floor contains the undergraduate laboratory, the instrument room, the high potential laboratory, and the drafting, lecture, and recitation rooms. The second floor contains the photometric laboratory, the offices, the departmental library, and a room used by the Electrical Engineering Society.

The Mechanical Engineering Laboratory (erected 1905, remodeled 1917) is a brick building having a basement with an elevated or mezzanine operating floor, on which is mounted the principal equipment of the laboratory; auxiliary apparatus is housed in the basement. The front section is two stories high and together with the two-story addition to the south contains offices, lecture and computation rooms, a lavatory, and an instrument room. The main laboratory is divided into three bays. The middle bay is provided with a ten-ton three-motor traveling crane, and the north bay with a five-ton hand operated

traveling crane. In the basement two flumes, together with a storage reservoir having a capacity of 7,000 gallons, provide for the measurement and storage of water.

The Laboratory of Applied Mechanics (erected 1901-2) is a brick building containing the materials testing laboratory and the hydraulics laboratory.

The Highway Laboratory (erected 1910) is a two-story brick addition to the Mechanical Engineering Laboratory. It contains the laboratories and certain recitation rooms and offices of the department of civil engineering which are closely associated with the work of testing materials used in road construction and with researches in the development of such materials.

The Mining Engineering Laboratory (erected 1912) is a one-story brick building. It is divided into five units. (1) Coal washing and preparation; (2) Ore-dressing and metallurgy; (3) Mining, including blasting and explosives; (4) Chemical analysis and sampling; (5) Gas analysis, safety lamps and ventilation.

The Ceramic Engineering Kiln House (erected 1912) connects with the ceramic engineering building. It contains the kilns, furnaces, and heavy machines for working clays.

The Ceramic Engineering Building (erected 1915-16) is a three-story structure, of fireproof construction, built of texture brick and polychrome terra cotta. The front of the building is decorated with colored tile panels. The roof is of Spanish tile, and the floor of the halls and corridors of clay tile. The structure is intended to present modern achievement in the use of ceramic structural materials. The third floor is occupied by the State Geological Survey and about one-third of the first floor by the department of applied mechanics. The main portion of the building is utilized by the recitation rooms, laboratories, and offices of the department of ceramic engineering.

The Locomotive Testing Laboratory (erected 1912) is a brick fireproof building connected by a spur with the Illinois Traction System tracks. It houses a locomotive testing plant which consists of supporting wheels on which rest the drivers of the locomotive to be tested, a dynamometer to which the locomotive drawbar is attached for measuring the tractive force exerted by the locomotive, water brakes for absorbing the power developed by the locomotive, and other auxiliary apparatus. The exhaust gases pass through an asbestos board duct to a large fan which forces them through a reinforced concrete cinder separator; the separator removes the cinders and discharges the gases into the air.

The Transportation Building (erected 1912 and 1921) is a three-story fireproof building of brick trimmed with stone. The first and second floors of the building are occupied by the departments of railway mechanical and mining engineering, and the third floor by the department of general engineering drawing.

The Machine and Forge Laboratories (erected 1902) occupy a one-story brick building containing office rooms, a machine shop, and a forge shop. Power is supplied by electric motors. A three-ton traveling crane of ten-foot span covers the center of the floor for the entire length.

The Pattern Laboratory (erected 1901-2) and *Foundry* (added 1904) laboratories occupy a brick building. The pattern laboratory contains a bench room, lathe room, machine room, and various smaller rooms for lectures and exhibition purposes. The foundry has a large molding floor, traversed by a five-ton traveling crane, and a basement room of the same size.

Agriculture

The Agriculture Building (erected 1900) consists of four separate structures, built around a court and connected by corridors. The court was enclosed in 1912 and divided into five large class rooms. The main building, three stories high, contains offices, class rooms, and laboratories for the departments of agronomy, animal husbandry, dairy husbandry, and horticulture; the chemistry laboratory of the Experiment Station; administration rooms; and assembly room (Morrow Hall) with a seating capacity of 500. The other three buildings are two stories high; one is for dairy manufacturers, one for farm crops, and one for class rooms and laboratories. These buildings are of stone and brick, roofed with slate, and contain 113 rooms.

The New Agricultural Building (erected 1922-23) is a three story brick and stone fireproof structure of the Georgian style of architecture. This is primarily a class room and office building, altho it will for the present house the Agricultural Library. The first floor contains offices, class rooms, and a lecture room with a seating capacity of 235. On the second floor are class rooms, offices and draughting rooms for the Landscape Gardening, and the Agricultural Library. Class rooms and offices take up the entire third floor space. This building is the first unit of a proposed group for the college of Agriculture.

The Agronomy Building (erected 1904-5) is a brick and slate structure, containing a field laboratory and storage room for crop work.

The Agronomy Greenhouse (erected 1900, rebuilt 1912) consists of two glass structures and a service building equipped with research and photographic laboratories.

The Agronomy Barn and Implement Shed (barn 1915; shed 1918) are wooden structures designed as service and storage buildings for the field work of the department of agronomy.

The Animal Husbandry Cattle Feeding Plant (first unit erected 1917) is of brick and frame construction with a tile roof. There are eight silos built in a circle to enclose a feed room. The plant is also used as a storage place for feed for the animal husbandry department. In the section not yet built the upper stories will be constructed as an elevator with large grain bins, where grain can be elevated, preparatory to grinding, shipping or feeding. There will be a corn crib with a capacity of 12,000 bushels.

The Farm Mechanics Building (erected 1906-7) is a three-story brick structure, containing class rooms, offices, lecture rooms, drafting room, library, laboratories, and tool and storage rooms. The third floor furnishes storage room for the greater part of \$45,000 worth of farm machinery, lent the College by manufacturing companies and used for laboratory work. The facilities afforded by this building, with its equipment, make possible the assembling, testing, and adjusting of all the important machines used in farm operations.

The Pure Bred Dairy Cattle Barn (erected 1891, remodeled 1895 and 1901) consists of a main two-story wooden structure, a wing and a shed for young stock. About 40 milking cows in addition to young stock and bulls are accommodated. There are also six silos of various types.

The Animal Pathology Laboratory (erected 1904-5, as a Beef Cattle Building) is a one-story structure of brick and slate, trimmed with stone with a wing at either end; the central portion rises two stories and is used for the storage of feed. This building was remodeled in 1919 for use by the Division of Animal Pathology in the Department of Animal Husbandry.

The Experimental Dairy Barns (erected 1912) comprise three round barns, the largest having a reinforced concrete silo in the center; a semi-detached rectangular structure with a Grout silo adjacent; and a small dairy house and shop. The barns are of frame construction on brick walls with solid floors of the mill type of construction, and contain feed rooms, hay lofts, and other accommodations for the experimental dairy herd. The dairy house is of frame construction, two stories in height, and contains office, shop, coal room, dairy room, and four sleeping rooms for employees.

The Sheep Barn is a wooden structure consisting of a main barn and a shed, opening to the south. An aisle, lined by pens on each side, runs through the center of the barn. This building, besides accommodating the University flock, is used for experimental work.

Other buildings on the South Farm for the accommodation of live stock are three horse barns and the piggery.

The Stock Pavilion (erected 1913) is a fireproof building with circular ends, providing a show arena 216 feet long and 65 feet wide. Seats of concrete provide accommodations for 2,000. The arena may be divided into three parts, giving three separate judging rooms. The building also contains class rooms and offices. The exterior is of brick and terra cotta, renaissance in design, the frieze being enriched with medallions of animal heads.

The Genetics Building (erected 1915-16) is a one-story brick structure housing the laboratories, offices, and animal rooms of the department of genetics. The work carried on in this building is done principally by graduate students.

The Horticulture Building (erected 1904-5) is a structure of brick and slate trimmed with stone. It contains the horticultural pathological laboratories, together with a laboratory devoted to the manufacture and mixing of spray materials used in operations in connection with the plantations. This building also serves as headquarters for the sale of horticultural products.

The Horticultural Implement Shed (erected 1922) is a wooden structure built to house the field machinery used on the Horticultural farm.

The Horticulture Greenhouse Group (erected 1912-13) includes (1) a floricultural group and (2) a vegetable and plant breeding group.

(1) *The Floriculture Greenhouse Group* (erected 1912-13) consists of a two-story and basement service building and ten glass structures. The service building is of hollow tile and cement construction, and contains laboratories, lecture room, sales room, offices, and seminar room, as well as potting, storage, and work rooms.

(2) *The Vegetable and Plant Breeding Greenhouse Group* (erected 1912-13) consists of a glass house for vegetable growing, two houses for plant breeding, a wire house, and a two-story and basement service building, containing laboratories, work rooms, class rooms, offices, and storage rooms. The type of construction of this building is the same as that of the floriculture service building.

The Horticultural Field Laboratory Building (erected 1921-22) is situated on the 320-acre Horticultural farm. It is two-stories high, the center rising to a height of three stories to make room for the third floor of the cold storage plant which is so constructed as to provide different degrees of temperature for various products. The wings of the building are one-story high and serve as indoor working laboratories. For instructional purposes there is a laboratory where different types and varieties of fruits are examined and methods of handling and packing are demonstrated. One laboratory is devoted to horticultural machinery used in the preparation and distribution of insecticides and fungicides used in the protection of growing plants. Three laboratories take care of the receiving and sorting of fruits and vegetables, the canning of such products, the evaporation and preservation of fruit juices, and the making of cider and vinegars.

Law

The Law Building (erected 1878; remodeled 1902, 1912 and 1922) is the second oldest building in the University group. It has two stories and a basement. The upper floor contains the Law Library, conference and reading rooms with accommodations for over one hundred persons, the library stack, the librarian's office, private offices for members of the law faculty. On the main floor are the administrative offices and class rooms.

Military Science

The Armory (erected 1914-15) comprises a drill room with a clear area of 200 by 400 feet and a height of 98 feet at the center, the roof being carried by fourteen three-hinged steel arches. The sides are of hollow tiles and the ends, supported by columns, are of steel, glass, tile, and concrete, with wood frames and sashes. The drill floor is of sufficient area to permit the maneuvering of an entire battalion of the cadet brigade. Provision has been made for the addition of the balcony around the drill floor with seats for 3,000 and for the addition of three-story facades along the sides flanked by towers at each end. This will provide space for company rooms, locker rooms, shooting tubes, and class rooms.

The Armory Annex is a temporary one-story building used as the military headquarters. It contains both offices and classrooms.

The Field Artillery Stable (erected 1919), a one-story stucco building in Italian style, provides space for animals belonging to the R. O. T. C. Artillery and Cavalry units. This structure is the first and chief building of a group which will ultimately house all material and equipment of these units and afford working and living quarters for the permanent personnel.

Music

The Smith Memorial Hall (erected 1918-19) is a fire-proof building of brick and stone exterior, occupied by the School of Music. The basement is occupied by plenum chambers, machinery, and dressing rooms. On the first floor are the Director's suite, two class rooms, and seven studios, together with the first floor of the recital hall. The second floor contains the Memorial Room dedicated to the donor, Captain Thomas J. Smith and his wife, Tina Weedon Smith, to whom the building is dedicated as a memorial, and the Library, with a score trial room, and eleven studios. This floor also affords access to the balcony of the recital hall which, with the first floor, gives a total seating capacity of about 1,000 persons. The third floor contains forty-seven practise rooms, and a lecture room seating about 100. All studios and practise rooms are thoroly sound-proofed and insulated from one another.

Buildings for General University Use

The Administration Building (erected 1914-15) is a three-story and basement fire-proof building of brick and stone. It has a one-story annex. The building contains the rooms of the Board of Trustees and the offices of the President, the Registrar, the Comp-

troller, the Supervising Architect, the Dean of Men, the High School Visitor, the Assistant Dean of Foreign Students, the University Editor, the Alumni Association, the University Press, the Information and Stenographic Bureau. This building is the second unit of the Commerce Building, and will eventually be occupied by that College.

The Library Building (erected 1896-97; an addition to the stack room erected 1914; further addition erected 1918) is modern Romanesque in style, with a tower 132 feet high, and is built of Minnesota sand-stone. The first floor, or basement, contains the rooms of the catalog and order departments, the bound newspapers, and the University Station post office. The second, or main floor, contains the general reference room, the periodical reading rooms, a small conference room, and the delivery room, which opens into the second story of the stack. The third floor contains the study room, lecture rooms, and office of the Library School, faculty study room, and the office of the Librarian. The five-story book stack is a rear wing to the building, separated from it by a fireproof wall. The delivery room is open to the roof and is lighted by a dome of art glass; the lunettes are decorated with frescoes symbolic of the four older colleges of the University—Literature and Arts, Science, Agriculture, and Engineering.

The latest addition contains four stories of stacks. Above this, covering the entire area of the building, is a work room. This addition also contains an unpacking room, a storage room, and an elevator tower.

The Auditorium (erected 1907-8) is a brick and stone building for general meeting purposes. It contains an auditorium seating about 2,000, a memorial vestibule, and a four-manual organ. All general University exercises and convocations are held in this building.

The Men's Gymnasium (erected 1901) is a three-story building of stone and pressed brick. On the first floor there is a swimming pool, lined with white enamel bricks. The water is filtered and sterilized by continuous circulation through a violet-ray sterilizer. This floor contains also the general locker room, which is fitted up with all-metal lockers, and with shower bath, and steam baths; rooms for the University Athletic teams; a room for visiting teams; a special dressing room for members of the faculty; and offices for the physical director and the instructors in athletics. The entire second floor is one room, fitted up with modern appliances for gymnastic exercises. The third floor contains an elevated running track, 15 laps to the mile, banked on the turns to secure speed and comfort in running.

The Gymnasium Annex (erected 1889-90) has a clear floor space of 15,000 square feet in one hall, while the addition (erected 1918) gives an additional clear area of about 7,500 square feet.

The Woman's Building (erected 1905; addition 1912; remodeled in 1922) is in the New England colonial style of architecture, of brick and stone, the addition built in 1913 being of fireproof construction. The basement contains a large gymnasium which extends up through two stories and is lighted by skylights from a court above; shower and locker rooms; a general serving kitchen and rooms for the Home Economics department. On the first floor are the large swimming pool, corrective gymnasium, office of the Director of Physical Education for Women, women's rest rooms, office of the Dean of Women, parlors, class rooms for the department of Home Economics, and the office of the Director. The second floor contains a gymnasium, parlors, the University cafeteria, class rooms, offices and laboratories for the Department of Home Economics. On the top floor there are offices for extension work, a literary society meeting room, laboratories, and a model apartment for the Home Economics department.

Women's Residence Hall

The Women's Residence Hall (erected 1917) is located on Nevada Street north of and adjacent to the new athletic field for women. It is a three-story fireproof brick and stone building of colonial design, U-shaped in plan. It will accommodate 150 girls. There are both double and single rooms, a suite for the matron, an emergency hospital, and rooms for servants. The basement contains the kitchen and a large dining room in each wing overlooking the sunken garden in the court. In the center of the first floor there is a large living room with adjoining parlors. The wings on each side of the first floor are at a higher line and are occupied by student rooms. There is a large sleeping porch at the south end of each wing on each floor.

The President's House

The President's House (acquired in 1917) is located at 1203 W. Nevada Street, Urbana. It is a two-story stucco building in the modern English style. It contains the usual living and service rooms of a ten-room house, and is featured by a large living-porch opening into an old-fashioned trellis-walled garden.

University Health Service

Health Service Building (erected 1896) is a three-story frame building, in the colonial style, originally built for the President's house. In 1919 it was remodeled and equipped for use of the University Health Service.

The Isolation Hospital (erected 1908; reconstructed 1914, 1917, and 1919) has been used for its present purpose since 1914. It is a substantial one-story stucco building, with a subsidiary service building providing a kitchen and additional ward space. The basement of the main building contains a supply room, a laboratory, and a complete disinfecting suite, consisting of a formaldehyde room, a septic room, a sterilizing room, and a physician's wash room, locker room, and sterile room. The first floor is divided into three separate ward units, each with a capacity of seven beds and having a nurse's room with bath, a diet kitchen, a linen closet, a bath room, and a private room for use as an observation room or for serious cases. In addition to the equipment in the basement, this building is provided with all necessary sterilizing and antiseptic devices in connection with the wards.

Service Buildings

The Central Heat and Power Plant (old boiler house erected 1902; new boiler house, 1910 and 1914). The old boiler house, 55 by 120 feet, is no longer used as part of the power plant, but serves as a special laboratory of the College of Engineering. The new boiler house, designed to be enlarged as necessity requires, is equipped with six 500-horsepower B. & W. boilers with chain grates. A power plant containing a 250-kilowatt Allis-Chalmers direct connected steam engine and dynamo, a 500-kilowatt Westinghouse turbo-generator, and a 100-kilowatt Curtiss turbo-generator, together with the accessories necessary to a complete power station, supplies current for light and power to all parts of the grounds. The pipe lines of the heating system and the circuits for distributing electricity are carried from the central plant to the several buildings through brick and concrete tunnels and clay and concrete conduits. The new boiler and power plant provides temporary quarters for the electric test car of the department of railway engineering.

The Pumping Station of the University water-works is a brick building, connected with the central heating station. Six artesian wells supply the University with water. A masonry reservoir provides for a fire-reserve supply. The pumps, tanks, and connections are arranged to give opportunities for experimental work, and also to vary the working conditions in the adjacent hydraulics laboratory. In this building is kept the equipment of the University fire department, including a hose and chemical wagon.

The University Garage (erected 1922-23) is a one-story brick building housing the University automobiles.

BUILDINGS IN CHICAGO

The College of Medicine Building, in which are housed all the departments except that of anatomy, is a brick and stone structure five stories high, fronting on three streets. The building contains three lecture rooms with a seating capacity of two hundred each; a clinical amphitheatre with a seating capacity of over three hundred; an assembly hall with a seating capacity of seven hundred; besides recitation rooms. It also contains laboratories for physiology, chemistry, materia medica, therapeutics, and microscopical and chemical diagnosis, each accommodating from fifty to one hundred students at a time.

A three-story annex to the main building contains the laboratories used by the departments of pathology, bacteriology, and chemistry. All these laboratories have outside light and are furnished with work tables, desks, lockers, and the necessary apparatus. There is a supply of microscopes, lenses, and oil immersions, and a projection apparatus for the illustration of lectures by means of stereopticon views.

There are under construction other buildings which will house the following: a General Hospital, the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute, and an Orthopedic Institute. These will be available for teaching and research purposes

under the cooperative plan adopted by the State Department of Public Welfare and the University of Illinois.

Research Laboratory Building (erected 1922-23) is a five story and basement fireproof structure of brick with limestone trimming with a three-story library wing, and is of the Gothic style of architecture. It is a unit of the Hospital and Laboratory Group being erected by the University of Illinois and the State, and houses research laboratories and the Medical Library. The basement contains photographic rooms, book stacks, locker room, and large reading room. The remaining floors are given over to offices and research rooms. This building is connected by a passage way to the Research and Educational Hospital built in 1921-22.

The College of Dentistry, adjoining the College of Medicine, occupies a separate six-story building, fronting on two streets. This building contains three amphitheatres, a clinical operating room, an infirmary, recitation rooms, the laboratories of gross anatomy and of prosthetic and operative dentistry, administrative offices, three dental depots, and four special laboratories, for research in histology and pathology, for anatomical modeling, for porcelain work, and for instructional and diagnostic work in radiography.

The School of Pharmacy.—In December, 1915, the University purchased for the School the property located at the corner of Wood and Flournoy streets and comprising eight city lots with two large brick buildings, connected by a fireproof central stairway tower. The new quarters were occupied in June, 1916.

The buildings include two substantial brick structures connected at each floor by a stair-tower building. Both have daylight from four sides and electric light throughout, and are heated by steam.

The larger contains the offices, the library, the museum, the microscopical laboratory, the bacteriological laboratory, an auditorium, a lecture hall, a recitation room, preparation rooms and private laboratories for the teachers, students' rooms, and locker rooms.

The smaller building contains pharmaceutical laboratories, the laboratory for quantitative analysis, the laboratory for qualitative analysis and several private laboratories for the teachers, as well as store rooms and supply rooms.

The stair-tower building, of fireproof construction, provides the students' entrance, stairways to each floor, corridors, toilets, and rooms for the hydrogen sulphide generator and the distilled water supply.

LIBRARIES

(For the Library Staff see page 30.)

The University Library includes all the books belonging to the colleges and schools of the University which are situated in Urbana and also the libraries of the College of Medicine and the School of Pharmacy in Chicago.

The number of volumes, pamphlets, etc., in the several libraries on September 30, 1922, was as follows:

THE UNIVERSITY LIBRARY

In Urbana:	Volumes	Pamphlets	Maps	Pieces of Sheet Music
General and Departmental Libraries.....	488,862	53,236	2,278	6,052
In Chicago:				
College of Medicine	25,861	2,400		
School of Pharmacy	4,154	2,450		
Total in University Library	518,877	58,086	2,278	6,052
Other Libraries located at the University of Illinois in Urbana:				
State Laboratory of Natural History	10,837	56,794	94	
State Geological Survey	2,970	6,100	1,085	

The Library is housed, for the most part, in the Library Building, and is for the use of the whole University. The officers of instruction and administration of the University, the graduate students, and the members of the senior class have direct access to the shelves; other students may have this privilege on the recommendation of their instructors. All students have the direct use of 10,700 volumes in the reading rooms, and in addition advanced students have the use of the seminar libraries. About 4,600 periodicals are currently received.

As a part of the Library are included several special collections: *Thesis collection*, a file of the original copies of the thesis presented for graduation from the University, bound and filed by years: 2,200 volumes. The *Dziatzko Collection of Library Economy*, the entire library of Karl Dziatzko, librarian of Göttingen University: 300 volumes, 250 pamphlets, bought in 1905. The *Dittenberger Collection of the Classics*, the entire library of Wilhelm Dittenberger, Professor of Classical Philology in the University of Halle: 5,600 items, bought in 1907. The *Heyne collection*, the philological library of Professor Moritz Heyne of the University of Göttingen: about 5,000 items, principally on German philology and literature, bought in 1909. The *Karsten collection*, principally on French and German philology and literature, the library of the late Professor Gustaf E. Karsten, presented by Mrs. Eleanor G. Karsten. The *Grober collection*, the entire library of the late Professor Gustav Grober, of Strasberg: 6,300 titles, principally on the Romance languages, purchased in 1912. The *Vahlen collection*, the entire classical library of the late Professor Johannes Vahlen, of Berlin: 10,000 volumes, purchased in 1913. The *Aron collection*, the pedagogical library of the late Dr. R. Aron, of Berlin: 20,000 volumes, purchased in 1913. The *Carl Martin James collection*, 1,030 volumes relating to statistics and similar subjects, presented in 1915 by President Edmund J. James. The *Rattermann collection*, of German-American literature and history: 7,000 volumes, purchased in 1915. The *Amanda K. Casad collection*, relating to history, economics, politics, and education: 1,732 volumes, presented in 1916 by President Edmund J. James. The *Constance Barlow-Smith collection*, of musical scores: manuscript books, and portraits, presented in 1916 by Mrs. Constance Barlow-Smith. The *Thomas J. Burrill collection* of general and botanical literature was presented by Mrs. Burrill in 1917. The *Cavagna-San Giuliana library* of over 40,000 volumes and many pamphlets, purchased in 1921, in Italy.

A number of departmental and college libraries and reading rooms are maintained in various buildings on the campus; these libraries do not necessarily contain all the books in the respective subjects. In some instances they are primarily for the use of the graduate students and advanced undergraduate students in the departments using the respective buildings. The principal departmental libraries and reading rooms are the following:

NAME OF LIBRARY	LOCATION	VOLUMES
Philosophy, Psychology, and Education	Lincoln Hall	16,000
Classics	Lincoln Hall	23,000
Modern Languages	Lincoln Hall	27,000
English	Lincoln Hall	16,400
History and Political Science	Lincoln Hall	20,000
Economics and Sociology	Lincoln Hall	24,000
Natural History	Natural History Building	22,377
Law	Law Building	30,000
Commerce Reading Room	Commerce Building	2,300
Architecture, Ricker Library of	Engineering Hall	4,900
Agriculture Reading Room	Agricultural Building	10,000
Chemistry	Chemistry Building	10,800
Physics	Physics Building	1,500
Mathematics	Natural History Building	5,700
Engineering	Engineering Building	8,900

Mason Library of Western History. The library of western history collected by Edward G. Mason, Esq., long president of the Chicago Historical Society, is in the Public Library of the city of Champaign, and is accessible to students in the University.

MUSEUMS AND COLLECTIONS

College of Liberal Arts and Sciences

Liberal Arts Group

Art.—A collection of casts, photographs, and engravings presented to the University in 1876 by citizens of the community has, for want of a suitable gallery, been placed in different buildings on the campus. Eight large statues are in the Auditorium foyer. Numerous pieces are now in the studios of the department of art and design in University Hall, and others are in the corridors and class rooms of University Hall, Lincoln Hall, Natural History Hall, and the Library. A collection of eighty-one German and Japanese prints purchased by the department of art and design from the St. Louis Exposition in 1905 is displayed in the rooms of the department of art and design.

Other collections of value to art students, consisting of a number of casts of Moorish, Spanish, and German ornament and miscellaneous casts, models, prints, and drawings, are placed in the studios and corridors of the department of art and design.

Classical Archeology and Art.—This museum is located in Rooms 402, 404, and 406 Lincoln Hall, and contains casts and photographs of Greek and Roman sculpture; colored reproductions of ancient painting; many objects from the finds of the Egypt Exploration Fund, received through the generosity of Mr. W. G. Hibbard, Jr., of Chicago; numerous ancient coins, thirty Greek papyri; and other originals of models of Greek and Roman antiquities. About 2,200 photographs exhibit important historic sites and archeological remains, and in addition there are available 1,900 slides belonging to the department of classics. This museum is open on Sunday, Wednesday, and Saturday afternoons.

European Culture.—This museum is in rooms 401, 403, 405, and 409 Lincoln Hall. It contains casts of Romanesque, Gothic, and Renaissance sculpture; color reproductions of paintings, including the rare Pol de Mont reproductions of early Netherland masterpieces; originals and facsimiles of medieval manuscripts, early printed books, and early maps of the world; originals and reproductions of arms and armor; original Paleolithic and Neolithic antiquities, together with selected reproductions of the Bronze and Iron Ages and of the Merovingian period; theatre models and prints of theatres and actors; peasant costumes; ship models; several historical groups made by Dwight Franklin; originals and reproductions of early wood carving, early church ivory carving and metal work; Delft ware collected by Mrs. John Milton Gregory and given by her daughter; carbon prints of cathedrals and other photographic material; about 350 coins; reproductions of runic inscriptions, early musical instruments, and other objects. The museum is open daily from 3:30 to 5:30, Sundays from 2:30 to 5:45, and Saturday mornings from 9:30 to 11:30.

Military Museum.—A collection of arms and equipment is on exhibition in the west end of the Armory.

Oriental Museum.—This museum occupies temporary quarters in 410 Lincoln Hall. Among its collections are 1,700 unpublished cuneiform tablets, the majority from Drehem, Umma, and Larsa, dating from the twenty-ninth to the twentieth century B. C., the others from the period of Nebuchadnezzar; a collection of Babylonian seals; fragments of Assyrian and Babylonian bricks with royal inscriptions; pottery, slate palettes, mummy case fragments, mummified sacred birds, and small objects from Egypt, the gift of Mr. W. G. Hibbard, Jr., of Chicago; a collection of Egyptian alabasters; a unique collection of squeezes or paper impressions of Hittite and Assyrian inscriptions, loaned by Dr. B. B. Charles of Philadelphia; squeezes of Phoenician inscriptions; a loan collection of pottery and pottery fragments representing the survey of two hundred ancient sites in the Near East; a loan collection of objects from Palestine, including two Hebrew manuscripts, models of domestic furniture, pottery, and prehistoric implements, a large number of unpublished photographs of the Near East.

Science Group

Botany.—The herbarium contains over 100,000 sheets of mounted specimens. It is representative of the higher plants and fungi of Champaign County and of the State, and forms a collection for the general flora of the United States. Through the acquisition of the herbaria of the late Dr. Frederick Brendel of Peoria, the late Dr. W. Welsch of Mascoutah, the late Dr. Jacob Schneck of Mount Carmel, and Professor W. E. Andrews of Pana, and the earlier gift of the large personal herbarium of Mrs. Agnes Chase, its value for students of the Illinois flora has been largely increased. Because of the interest of the late Professor Burrill and his special students, Clinton, Earle, Seymour, and others, in the study of parasitic fungi, the part of the herbarium devoted to the representation of plants of this group is rich in material records of investigation. This group was greatly enriched by the Stevens collection of Porto Rican fungi, fourteen thousand numbers, presented by Professor F. L. Stevens in 1916. The published "exsiccatae" in this group are well represented. The gift of Mrs. Mary S. Snyder of her personal set of the Phycotheca Boreali-Americana, representing over 2,000 named species, has increased the reference value of the herbarium for students of algae.

Entomology.—The entomology collections of the University include a reference series of 6,400 specimens, representing 1,600 common species; and the Bolter collection, given to the University by the executors of the estate of the late Andreas Bolter of Chicago, which now contains about 120,000 specimens representing over 16,000 species. The department has access, also, to the insect collections of the State Laboratory of Natural History, which contain 330,000 pinned insects and 26,000 vials and bottles of specimens in alcohol, mainly from Illinois.

Geology.—The department has adequate working collections which illustrate the principal phases of geology, including 10,000 hand specimens of rocks, 3,000 thin sections for microscopic study, over 12,000 minerals, and 60,000 fossils. In the corridors of the Natural History Building are exhibits of gems and precious stones, meteorites, polished ornamental

stones, and specimens illustrating geologic structures, and the principal types of rocks, minerals, and fossils. The collections available for advanced students include those of Tyler McWhorter, Hertzner, and the greater part of the specimens collected both privately and for the State Geological Survey by A. H. Worthen.

Geography.—The geography collection consists of a complete file of the United States topographic maps; a collection of U. S. Geological Survey folios; combined contour maps representing the physiographic provinces of the United States; a collection of foreign topographic maps; rainfall and vegetation maps; relief models of all the continents and of smaller areas; and several thousand lantern slides.

Zoology.—The zoology collections illustrate the work in zoology and present a synoptical view of the zoology of the State. Most of them are placed in the museum room in the Natural History Building, and in adjacent corridors. The mounted mammals include a collection of the ruminants of the United States and representatives of the other orders of Mammalia except the Sirenia. The same orders are also represented by mounted skeletons. There are also a collection of mounted birds; the Barnum collection of bird's eggs; a collection of nests and eggs of Illinois birds; a series of mounted skins of larger species of cold-blooded vertebrates, both terrestrial and marine; mounted skeletons of typical representatives of the principal groups; alcoholic specimens; casts; alcoholic specimens of all classes and orders of Mollusca, and dissections showing the internal anatomy of typical forms; several thousand shells, belonging to more than 2,000 species (the collection of the Illinois aquatic species is nearly complete); several hundred dried specimens and alcoholics, and a series of Blanschka glass models of the lower invertebrates; several sets of Ziegler wax models and series of sections and other preparations showing the embryology of vertebrates and invertebrates.

In addition to the foregoing, the collections of the State Laboratory of Natural History are available for illustrative purposes, as well as for original investigation by advanced students.

College of Commerce and Business Administration

Commerce.—For its courses in industrial economics and commerce the University has a collection of the materials of commerce; lanterns and several hundred slides; political and industrial maps; and diagrams and stereoscopic views illustrating phases of commerce and industry. Most of the articles constituting the commercial museum are the gifts of the Philadelphia Commercial Museum and of private manufacturing and mercantile establishments.

College of Engineering

The several departments of the College of Engineering possess collections of historic materials drawn from their respective fields of practise. The department of railway engineering maintains exhibits of track rails typifying practise since the beginning of railway construction; many details employed in car and locomotive construction, historic and modern; and an extensive collection of photographs and prints. The department of mechanical engineering is the custodian of a 600 h.p. vertical triple-expansion engine, direct connected to an electric generator, a type of machine in common use for power station service twenty years ago, and numerous machines of historical value together with a collection of exhibits of engineering apparatus. The departments of civil engineering and theoretical and applied mechanics maintain exhibits of tested specimens and structures. The department of architecture has a number of reproductions of fragments from historic architectural monuments. The mining museum has a comprehensive collection of models showing the methods of working coal and ore mines and both sectionalized and operating mining machines, and appliances. There is a collection of photographs and blue prints illustrating all phases of mining and metallurgical design and construction. Six stereoscopes with over one hundred views illustrate South African gold mining practise and Michigan copper mining.

All such material occupies temporary locations. No especially appointed building designed for its reception has thus far been provided.

College of Agriculture

The agricultural departments maintain collections illustrative of their work. The collections include specimens of standard varieties of corn; wax models of fruit and vegetables; a horticulture herbarium; specimens of breeds of live stock; a collection of

farm machinery; and exhibits of negatives and samples showing the progress of investigations with fruitcrops, and soils.

See further the description of the facilities for instruction and methods of work of the departments of agronomy, animal husbandry, dairy husbandry, and horticulture, under the College of Agriculture, in Part II.

Library School

The School has made a collection of books and pamphlets on library science; of library reports and catalogs; of mounted samples showing methods of administration in libraries; of book-plates; and of books, photographs, and lantern slides on library architecture and the history of books, printing, and libraries.

ADMINISTRATION

GOVERNMENT

The government of the University is vested by law primarily in a Board of Trustees, consisting of eleven members. The Governor of the State and the Superintendent of Public Instruction are members *ex officio*. The other nine members are elected by the people of the State for terms of six years; the terms of three members expire every second year.

The administration of the University is vested by the Board of Trustees in the President of the University, the Vice-President, the Senate, the Council of Administration, the Faculties of the several colleges, the Deans of the colleges, and the Directors of the schools.

The President is the administrative head of the University.

The Senate is composed of all officers of full professorial rank and those other members of the faculty who are in charge of separate departments of the various colleges and schools. It is charged with the direction of the general educational policy of the University.

The Council of Administration is composed of the President, the Vice-President, the Dean of the Graduate School, the Deans of Men and Women, and the Deans of the several colleges. It constitutes an advisory board to the President, and has exclusive jurisdiction over all matters of discipline. The Council does not determine educational policy; but when any matter arises which has not been provided for by common usage or by rule of the Senate and cannot be conveniently laid over until the next meeting of the Senate, the Council may take action according to its discretion.

The Faculties of the colleges and schools of the University, composed of the members of the corps of instruction of these colleges and schools, have jurisdiction, subject to higher University authority, over all matters which pertain exclusively to these organizations.

The Dean of the Graduate School, the Deans of the several colleges, and the Directors of the schools are responsible for the carrying out of all University regulations within their respective departments.

DEPARTMENTS AND CURRICULA

For the purpose of administration the University is divided into several colleges and schools. These are not educationally separate, but are interdependent and form a single unit.

The colleges and schools are as follows:

- I. The College of Liberal Arts and Sciences
- II. The College of Commerce and Business Administration
- III. The College of Education
- IV. The College of Engineering
- V. The College of Agriculture
- VI. The College of Law
- VII. The Graduate School
- VIII. The Library School
- IX. The School of Music
- X. The School of Railway Engineering and Administration
- XI. The College of Medicine
- XII. The College of Dentistry
- XIII. The School of Pharmacy

The College of Liberal Arts and Sciences offers curricula in:—(1) philosophy and arts, including (a) the ancient classical languages; (b) the Romance languages; (c) the Germanic languages; (d) the English language and literature, including rhetoric and public speaking; (e) comparative literature; (f) comparative philology; (g) mathematics; (h) the political and social sciences: history, economics, political science, sociology; (i) philosophical subjects: philosophy, psychology, education; (j) art and design. (2) general science,

affording opportunity to specialize in (a) astronomy; (b) geology, including mineralogy and geography; (c) physics; (d) chemistry; (e) botany, (f) bacteriology; (g) zoology; (h) entomology; (i) physiology. By the grouping of certain subjects students in this College are also offered opportunities for specific vocational and professional training as follows: (1) journalism; (2) chemistry; (3) chemical engineering; (4) economic entomology; (5) home economics and household administration; (6) library administration; (7) law (combined course); (8) medicine (combined course); (9) engineering (combined course).

The College of Commerce and Business Administration offers curricula in:—(1) general business; (2) commercial and civic secretarial service; (3) banking; (4) insurance; (5) accountancy; (6) general railway administration; (7) railway transportation; (8) commercial teaching; (9) foreign commerce; (10) industrial administration; (11) commerce and law.

The College of Education offers curricula in:—(1) teaching and school administration (two-year professional curriculum, based on two years of college work); (2) athletic coaching (four-year undergraduate curriculum); (3) industrial education—four-year curricula for teachers of "related subjects" and for teachers of "un-vocational subjects" under the Smith-Hughes Act, and a two-year curriculum for teachers of "general continuation subjects" under the same Act; (4) curricula in agricultural education and in home economics education, meeting the requirements for teacher-training in these branches under the Smith-Hughes Act.

The College of Engineering offers curricula in:—(1) architecture; (2) architectural engineering; (3) ceramics; (4) ceramic engineering; (5) civil engineering; (6) electrical engineering; (7) gas engineering; (8) general engineering; (9) mechanical engineering; (10) mining and metallurgical engineering; (11) municipal and sanitary engineering; (12) general engineering physics; (13) railway civil engineering; (14) railway electrical engineering; (15) railway mechanical engineering.

The College of Agriculture offers curricula in:—(1) General Agriculture, affording opportunity to specialize in (a) agronomy; (b) animal husbandry; (c) dairy husbandry; (d) farm mechanics; (e) farm organization and management; (f) horticulture, (2) farm Organization and Management; (3) Floriculture (4) Landscape Gardening; (5) General Home Economics; (6) Nutrition and Dietetics; (7) Agricultural Education and Home Economics Education; provision is made whereby students may take the first two years of these curricula in the College of Agriculture and the last two years in the College of Education.

The College of Law offers a three-year curriculum in law leading to the degree of Bachelor of Laws, and a four-year curriculum in law leading at the end of two years to the undergraduate degree of Bachelor of Science and to the degree of Bachelor of Laws or the degree of Doctor of Law upon the completion of the curriculum.

Students holding the bachelor's degree in arts or sciences may become candidates in this College for the degree of Doctor of Law (J.D.).

Military Science and physical education are provided in all the undergraduate colleges in Urbana.

The Graduate School offers courses in:—philology, including the classical languages, Romance languages, Germanic languages, and English; mathematics; political and social sciences, including history, economics, sociology, and political science; philosophy, including psychology and education; physical sciences, including physics, chemistry, astronomy, and geology; biology, including botany, zoology, entomology, physiology, and bacteriology; engineering, including architecture, architectural engineering, ceramic engineering, civil engineering, electrical engineering, mechanical engineering, mechanics, mining engineering, municipal and sanitary engineering, and railway engineering; agriculture, including agronomy, animal husbandry, dairy husbandry, genetics, horticulture and floriculture, and home economics.

The Library School offers to college graduates a professional curriculum of two years in preparation for librarianship, leading to the degree of Bachelor of Library Science.

The School of Music offers curricula in vocal and instrumental music, leading to the degree of Bachelor of Music, and provides training in public school methods in music.

The School of Railway Engineering and Administration offers curricula leading to the degree of Bachelor of Science in railway civil, railway electrical, and railway mechanical engineering; and also curricula in railway transportation and in railway administration leading to the degree of Bachelor of Arts.

The College of Medicine (Chicago) requires for admission two years of college work in liberal arts and sciences, and offers a five-year curriculum; at the end of the first two years the degree of Bachelor of Science is conferred, and at the end of five years the degree of Doctor of Medicine. (For students matriculating in the College after July 1, 1917, and graduating after June 30, 1922, the completion of a year of hospital service is required for the degree of Doctor of Medicine.)

The College of Dentistry (Chicago) offers a four-year curriculum leading to the degree of Doctor of Dental Surgery. Beginning January 1, 1921, the requirement for admission was changed to include one year of work in liberal arts and sciences.

The School of Pharmacy (Chicago) offers a curriculum of two years leading to the degree of Graduate of Pharmacy, and a curriculum of three years leading to the degree of Pharmaceutical Chemist.

The Summer Session, of eight weeks, offered in 1922, courses in accountancy, agriculture, art and design, botany, business organization and operation, chemistry, economics, education, English, entomology, French, German, history, home economics, industrial education, Latin, library science, mathematics, mechanics (theoretical and applied), music, physical education for men and for women, physics, political science, psychology, public speaking, rhetoric, sociology, Spanish, transportation, and zoology.

All the courses given in the Summer Session are of collegiate grade and may be counted toward the bachelor's degree. Certain advanced courses may be counted toward the master's degree.

ADMISSION

GENERAL STATEMENT

An applicant for admission to any of the colleges or schools of the University must be at least sixteen years of age. Candidates for admission to the College of Dentistry (Chicago), and to the School of Pharmacy (Chicago), must be seventeen years of age.

Women are admitted to all departments on the same terms as men.

Students are admitted to the professional departments in Chicago (Medicine, Dentistry, and Pharmacy) only at the beginning of the first semester (during the first ten days of October); they can enter the College of Engineering to best advantage at the opening of the school year in September. In all other cases they should enter if possible at the beginning of the semester.

SCHOLARSHIP REQUIREMENT FOR ADMISSION OF NON-ILLINOIS STUDENTS

An applicant for admission to the University who is not a legal resident of Illinois will be required to present with his application for admission to any of the colleges or schools of the University, except as a special student or as a student in the Graduate School, satisfactory evidence that he maintained at the school or college from which he would enter the University of Illinois a scholastic average at least ten per cent. above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade; e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

THE UNDERGRADUATE COLLEGES

Fifteen units of secondary school work in acceptable subjects must be offered by every candidate, and *no quantitative conditions are permitted*. A unit represents the work of 180 recitation periods of forty minutes each, or the equivalent in laboratory or other practise.

The subjects and credits required for admission to the various curricula in the undergraduate colleges and schools are given on the opposite page.

REQUIREMENTS FOR ADMISSION

Undergraduate Colleges and Schools
(Expressed in terms of high school units)

PRESCRIBED SUBJECTS	COLLEGE OR SCHOOL, AND CURRICULUM									
	Liberal Arts and Sciences			Commerce & Bus. Admin.			Engi- neering	Agri- culture	Educa- tion	Muslc
	General Jour- nalism, Pre- Legal, Home Ec., Econ. En- tomology	Pre- Medicine	Chemistry Ch. Eng.	All Curricula			All curric- ula	All curric- ula	Athletic & Coaching Vocational Education	All Curricula
				One of the following combinations						
				(a)	(b)	(c)				
English Composition and Literature	3	3	3	3	3	3	3	3	3	3
Algebra	1	1	1	1	1	1	1	1	1	1
Plane Geometry	1	1	1	1	1	1	1	1	1	1
Physics, or chemistry, or bot- any, or zoology, or physiology, or physiography, or general science, with laboratory work	1	1	1	1	1	1	1	1	1	1
Advanced Algebra			½	½			½			
Solid and Spherical Geometry				½			½			
Extra Science.....						1		1		
Chemistry (extra science) ...			1							
Latin, Greek, French, German, or Spanish (both in same) .	2				2					2
Latin, Greek, French, or Ger- man (both in same)		2								
French or German (both in same)			2							
History and Civics		1								
Musio										2
Electives (see list below) ...	7	6	5½	8	7	8	8	8	9	5
Total	15	15	15	15	15	15	15	15	15	15

Whenever two units of language are required, both units must be in the same language.

It is desirable that students who intend to pursue curricula involving college mathematics, physics, or advanced chemistry, or those in which university courses in mathematics are prescribed, should present for admission *one-half unit of advanced algebra* in addition to the required unit common to all.

Candidates for the curriculum in athletic coaching must pass physical and medical examinations.

SUBJECTS ACCEPTED FOR ADMISSION

Required of all: (Note also the special prescriptions for the various curricula as given in the preceding table).

	UNITS
English (Composition and literature)	3
Algebra	1
Plane Geometry	1
Physics, or Chemistry, or Botany, or Zoology, or Physiography, or Physiology, with labora- tory work.....	1
Total.....	6

General Electives:

	POSSIBLE CREDITS BY UNITS
Latin	1-4
Greek	1-4
French	1-4
German	1-4
Spanish	1-4
Italian	1-3
Norwegian	1-2
Swedish	1-2
Polish	1-2
English (4th unit)	1
Advanced algebra	$\frac{1}{2}$ -1
Solid geometry	$\frac{1}{2}$
Trigonometry	$\frac{1}{2}$
Greek and Roman history	1
Medieval and modern history	1
English history	$\frac{1}{2}$ -1
American history	$\frac{1}{2}$ -1
Civics	$\frac{1}{2}$ -1
Economics and economic history	$\frac{1}{2}$ -1
Commercial geography	$\frac{1}{2}$ -1
Astronomy	$\frac{1}{2}$
Geology	$\frac{1}{2}$ -1
Physiography	$\frac{1}{2}$ -1
Physiology	$\frac{1}{2}$ -1
Zoology	$\frac{1}{2}$ -1
Botany	$\frac{1}{2}$ -1
Physics	1-2
Chemistry	1-2
General science	$\frac{1}{2}$ -1

Special Electives:

Only 3 units may be chosen from this group:

Agriculture	1-3
Bookkeeping	1
Business law	$\frac{1}{2}$
Commercial arithmetic (accepted only when preceded by one year of work in high school mathematics)	$\frac{1}{2}$
Domestic science	1-3
Drawing, art and design	$\frac{1}{2}$ -1
Drawing, mechanical	$\frac{1}{2}$ -1
Manual training	1-2
Music	1-2
Shorthand and typewriting.....(must be offered together)	1-2

SOURCES OF ACCEPTABLE CREDITS

The credits required for admission to the undergraduate departments, as detailed above, may be secured:

- (a) By *certificate* from an accredited high school or other secondary school.
- (b) By *examination*.
- (c) By *transfer* from another university or college of recognized standing.

(A) Admission by Certificate from an Accredited Preparatory School

A candidate for admission by *certificate* must be a *graduate* of an accredited school.

An applicant *who has attended but who has not been graduated from* an accredited school must pass entrance examinations in the following subjects, amounting to 5 units:

English composition	1 unit
Algebra	1 unit
Additional subjects to be designated by the University authorities	3 units
Total	5 units

The remaining 10 units necessary to make up the 15 units required for admission may also be made in entrance examinations or may be offered by *certificate* from an accredited school.

Blank certificates for students wishing to enter the University by *certificate* from an accredited high school or academy may be had of the Registrar. They should be obtained early and should be filled out and sent to the Registrar for approval as soon as possible after the close of the high-school year in June. Certificates received at the University after September 14, (in 1923) will be held until the arrival of the students unless such certificates are accompanied by an addressed envelope with a special delivery stamp.

Accredited Schools

The High School Visitor of the University visits and inspects, on request, high schools and other preparatory schools throughout the State. On the basis of his reports, approved by the Committee on Accredited Schools and by the Council of Administration, the University accredits all work which is found to be sufficiently well done. For a list of accredited schools, address the High School Visitor. Not all the schools named in this list, however, are accredited for the same amount of work or all for the same subjects. A student presenting a certificate from any one of these schools will be given entrance credit for all the subjects named therein *for which the school is specifically accredited as shown in the certificate of its accredited relation issued to the school by the University.*

Entrance credits will also be accepted on certificate from the following sources:

1. From schools accredited by the North Central Association of Colleges and Secondary Schools.
2. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the certificate shows that the Illinois standard time requirements have been met.
3. From schools accredited by the Southern Association of Colleges and Secondary Schools.
4. From schools approved by the New England College Entrance Certificate Board.
5. From high schools and academies registered by the Regents of the University of the State of New York.
6. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

Foreign Students

Candidates for admission who come from foreign countries should bring complete official credentials. Certificates from Oriental and Slavic countries must be accompanied by certified translations. Upon arriving at the University foreign students should consult with the Assistant Dean of Foreign Students, Room 153, Administration Building.

(B) Admission by Examination*I. The University Entrance Examinations*

The University entrance examinations are given at the University in Urbana (in Room 100, Commerce Building) three times in each year: in September, immediately before the opening of the fall semester; in January and February, shortly before the opening of the spring semester; and in July, during the Summer Session. Similar examinations are given in Chicago five times in each year, about March 15, June 15, August 15, September 15, and December 15.

These examinations cover substantially all the subjects required or accepted for admission.

Programs of these various sets of examinations may be obtained by addressing the Registrar.

II. The Examinations of the College Entrance Examination Board

The certificate of the College Entrance Examination Board, showing a grade of 60 per cent. or higher, will be accepted for admission in any subject in the lists on pages 63 and 64 in the amounts there specified as being acceptable. These examinations will be held during the week of June 18-23, 1923.

All applications for examination must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board on application.

Applications for examination at points in the United States east of the Mississippi River, and at points on the Mississippi River, must be received by the Secretary of the Board at least three weeks in advance of the examinations, that is, on or before Monday, May 28, 1923; applications for examination at points in the United States west of the Mississippi River or in Canada must be received at least four weeks in advance of the examinations, that is, on or before Monday, May 21, 1923; and applications for examinations outside of the United States or Canada must be received at least six weeks in advance of the examinations, that is, on or before Monday, May 7, 1923.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidate concerned, but only on payment of \$9.00 in addition to the usual fee.

The examination fee is \$9.00 for all candidates examined at points in the United States or Canada, and \$20.00 for all candidates examined outside of the United States and Canada. The fee should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board and should accompany the application.

A list of the places at which examinations are to be held by the Board in June, 1923, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

III. *The New York Regents' Examinations*

Credits will be accepted, also, from the examinations conducted by the Regents of the University of the State of New York.

(C) Admission by Transfer of Entrance Credits from Other Colleges or Universities

A person who has been admitted to another college or university of recognized standing will be admitted to this University upon presenting a certificate of honorable dismissal from the institution from which he comes and an official statement of the subjects upon which he was admitted to such institution, provided it appears that the subjects are those required here for admission by examination or real equivalents. No substitutes will be accepted for the subjects *prescribed* for all colleges or for individual colleges as indicated above (pages 63-64); except that a student who comes from a college or university rated in Class A by the Committee on Admissions from Higher Institutions, with a record of thirty hours without failures or conditions and with an average grade ten per cent. above the passing grade of the college, may be matriculated irrespective of deficiencies in prescribed subjects.

Admission to Advanced Standing

After matriculation, an applicant may secure advanced standing either by examination or by transfer of credits.

1. *By examination*—Advanced standing is granted only by examination unless the applicant is from an approved school. Examinations for advanced standing are given without fee if taken within 60 days after matriculation; if taken later, a fee of \$5.00 is charged for each examination.

2. *By transfer of credits*—Credits may be accepted for advanced standing from another university or a college or a junior college of recognized standing or from a state normal school. In general it is unwise for a student to enter a specialized curriculum at the university as late as the beginning of senior year. An applicant for advanced standing by transfer must present a certified record of work done in the institution from which he comes, accompanied by a summary of his preparatory work and by a letter of honorable dismissal. Students intending to transfer to the University of Illinois should send their credentials to the Registrar as early in the summer as possible.

Students in large number enter the University each year after completing one, two, or even three years at the smaller universities and the colleges of the State. In recognition of this situation the University is cooperating cordially and sympathetically with the higher institutions in the State in their endeavor to coordinate their work with that of the University. In order that definite information may be had in advance in regard to the credit which may be allowed from a specific institution, the University, in conference with the colleges, has adopted certain standards for accrediting and has classified the higher institutions within the State in accordance with the manner in which they are able to meet these standards. Students from the colleges which have met these standards in full enter the College of Liberal Arts and Sciences with hour for hour credit; and upon entering the more specialized curricula of the other Colleges of the University such students are given full credit for all courses which are coordinate with the requirements of the curriculum in question.

The Registrar of the University will, upon application, gladly furnish full information in regard to the transfer from Illinois colleges.

Admission on Probation on Principal's Recommendation

(This provision will be discontinued, effective in June, 1923; i.e., for applicants for admission beginning with the Summer Session of 1923 and thereafter.)

A graduate of an accredited school, whose credits amount to fifteen units, including the six prescribed for all, but do not completely meet the requirements with respect to the selection of electives may on the special recommendation of his high-school principal be admitted to the University on trial for one semester; with the proviso that he shall be dropped automatically at the end of the first semester if he fails in more than one-third of his work; and that if his grades in more than one-fourth of his work are below C he may be dropped on the recommendation of his college faculty. Such a student during his trial period is not permitted to take part in any public exhibition, or serve on the staff of any student publication, or hold or become a candidate for any undergraduate office.

Admission as Unclassified Students

Persons over twenty-one years of age may be admitted as unclassified students in the undergraduate colleges, provided they secure (1) the recommendation of the instructor whose work they wish to take, and (2) the approval of the dean of the college concerned. They must give evidence that they possess the requisite information and ability to pursue profitably, as unclassified students, their chosen subjects, and must meet the special requirements of the particular college in which they wish to enroll, as stated below.

An unclassified student is not matriculated and must pay a tuition fee of \$7.50 a semester in addition to the regular incidental fee of \$25.00 a semester if a resident of the State, or of \$37.50, if a non-resident.

No one may enroll as an unclassified student in any school or college of the University for more than two years, except by special permission, application for which must be made through the dean of the college.

A person registered as an unclassified student in one college and desiring to take a course in another college of the University must obtain the approval of the dean of the latter college.

Special Requirements of the Colleges and Schools

The College of Liberal Arts and Sciences requires a written application, accompanied by official certificates, indicating the character and extent of the applicant's preparatory work, and showing honorable dismissal from the school last attended. In order that action may be taken on such applications before registration they should be presented at least one week before the beginning of the semester.

The College of Engineering requires that applicants for admission as unclassified students shall satisfy the entrance requirements in mathematics and English (one and one-half years of algebra, one year of plane geometry, one-half year of solid geometry, one year of English composition, and two years of English literature).

The College of Agriculture will receive non-matriculants twenty-one years old or over, provided that if deficient in English, as measured by the requirements for matriculation, they shall arrange to carry English as one subject until that deficiency is made good; and provided further, in the case of men, that they shall have at least two years of experience in practical agriculture.

The College of Law has a regulation providing that no credit earned by an unclassified student in the College of Law may be counted toward a degree in law.

Deficiencies

No quantitative conditions are permitted. In other words, every student must offer at the time of admission 15 units in acceptable subjects. These must include the 6 units specifically prescribed for all the undergraduate colleges (see page 63). It is provided however, that a student who offers 15 acceptable units including the 6 prescribed units, but who is deficient with respect to laboratory work, or a student who is deficient not to exceed 2 units in subjects prescribed only for the college or curriculum which he wishes to enter, may be admitted in that college or curriculum to courses for which he is fully prepared, subject to the requirement that the deficiencies in question shall be removed before he may register for a second year's work.

A student with deficiencies is not matriculated and must pay a tuition fee of \$7.50 a semester in addition to the regular incidental fee of \$25.00 a semester.

NOTE—A complete change in the plan of admission with deficiencies will go into effect in September, 1923. Beginning at that time each student must meet in full the requirements for admission to the curriculum in which he desires to enroll, with the exception that he may enter with a deficiency in laboratory science if the science work he has taken covers a full year but fails to meet the laboratory requirement. It is provided, however, that an applicant, otherwise clear for admission, may be allowed to count toward the required 15 units as many as five units in commercial and vocational subjects (heretofore the maximum has been 3 units) with the further provision that the units presented in such subjects in excess of three shall be considered an entrance deficiency to be removed by the presentation of additional work in the usual academic subjects (language, mathematics, social sciences, science) before he begins his second year at the University.

No-Credit Course in Rhetoric for Deficient Students

Early in the first semester the Department of English determines by a series of tests, including the writing of several compositions, the grade of each student's preparation to pursue the freshman work in rhetoric, and places those students who are found to be insufficiently prepared in a special course for which no credit is given.

THE PROFESSIONAL SCHOOLS

The College of Education

For admission to the *two-year professional curricula* in the COLLEGE OF EDUCATION, leading to the degree of Bachelor of Science in education, a candidate must be able to matriculate in one of the undergraduate colleges and must offer in addition *60 semester hours* of college credit (exclusive of military science).

(For the requirements for the undergraduate curricula in Athletic Coaching and Industrial Education in this College, see above).

The College of Law

For admission to the *three-year curriculum* in the COLLEGE OF LAW as a regular student an applicant must be matriculated and have 60 hours' credit in a college of this University; or have completed two full years of work as given at another college or university of recognized standing, as a matriculated student in such college or university; or have received by transfer 60 hours of university credit here.

For admission to the *four-year curriculum* in the COLLEGE OF LAW an applicant must have completed 60 hours of work, exclusive of physical education and military, in a college of this University, or at another college or university of recognized standing.

The Library School

Admission to the LIBRARY SCHOOL is conditioned on the presentation of credentials showing that the applicant holds a bachelor's degree in arts or science from the University of Illinois or has had other equivalent training. No entrance examinations are required.

Application blanks for admission may be secured from the Director of the School, and these, filled out, should be filed, together with such documentary material as the candidate may offer, showing qualifications for admission, generally not later than August 1. It is to the candidate's interest to present his application and certificates early, in order that the question of admission may be settled before he comes to Urbana.

For admission as a *special student* to the Library School a written application is required, accompanied by official certificates, indicating the character and extent of the applicant's preparatory and college work. In order that action may be taken on such applications before registration day, they should generally be presented not later than one month before registration days. It is the practise of this School to admit as *special students* only those persons who, tho unable to meet the formal requirements for entrance, are substantially prepared for thoro and advanced work. Such persons must present evidence of possessing the requisite information and ability to pursue the chosen subjects profitably. They must also present some substitute for the lacking requirements for entrance, such as approved library or teaching experience or foreign travel. Preference will be

given to those already engaged in library work, especially in Illinois libraries. Students thus admitted are expected to take the entire curriculum prescribed for those who are candidates for the degree of Bachelor of Library Science, or failing that, as much of the prescribed work as they are prepared for.

The College of Medicine—Chicago

For admission to the COLLEGE OF MEDICINE, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not fewer than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, and including prescribed subjects as follows:

	SEMESTER HOURS
Chemistry (including organic chemistry, 4 semester hours)	12
Physics (at least 2 hours of laboratory work)	8
Biology (at least 4 hours of laboratory work, see note 1)	8
English	6
German, French, Spanish, or Italian (see note 2)	6
Electives outside of the chemical, physical and biological sciences (see note 3)	6
Free electives (see note 3)	14
Total	60

NOTE 1: BIOLOGY.—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

NOTE 2: GERMAN, FRENCH, SPANISH, OR ITALIAN.—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two years' work (at least 12 hours) in college if the language was not begun in the high school, or the equivalent.

NOTE 3: ELECTIVES.—A desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Transfer from other Colleges of the University—Students who have completed the requirements stated above and who have done in residence at the University at least two semesters of such work may transfer their registration to the College of Medicine, subject to the following conditions:

1. The student who wishes thus to continue in the University must signify his intention to the Registrar on a form provided by the University not later than June 15 of the year in which he purposes to begin his medical course, if the student completes this work in June. If the work is to be completed in the Summer Session, the form referred to must be filed by July 1.

2. The student must comply with the general regulations for registration in the College of Medicine. This includes the payment of fees in advance.

3. A student who is on probation in any college of the University at the time of the transfer will be continued on probation in the College of Medicine.

Students who have fulfilled the foregoing conditions will be given precedence in the order of admission.

No conditions are permitted. Candidates for admission who, in June 1923, will have completed the above requirements except for a few hours in collegiate subjects should plan to make up these deficiencies in full by attendance at summer sessions during the summer of 1923.

The College of Dentistry—Chicago

For admission to the COLLEGE OF DENTISTRY, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not fewer than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units
Algebra	1 unit
Plane geometry	1 unit
Physics (with laboratory work)	1 unit
Electives (see general electives, page 64)	9 units
Total	15 units

A student who is a graduate of an accredited high school with 15 units in acceptable subjects, including 3 in English, 1 in algebra, 1 in plane geometry, and 1 in *laboratory science other than physics*, may be admitted with a deficiency of one unit in physics. Such a student must remove his deficiency before he may register for his second year in the College of Dentistry.

2. One year of work in an approved college of liberal arts and sciences, comprising not fewer than 30 semester hours, and including prescribed subjects as follows:

Chemistry	6 semester hours
Biology or Physics	6 semester hours
English	6 semester hours
Electives	12 semester hours
Total	30 semester hours

The School of Pharmacy—Chicago

The requirements for the SCHOOL OF PHARMACY are the same as those for the undergraduate colleges at Urbana with respect to *high-school graduation*, the *number of units required*, the *acceptable subjects*, and the *prescribed subjects* (see pages 62 and 63).

The required fifteen units may be summarized as follows:

I. Prescribed subjects		
English (composition and literature)	3 units	
Algebra	1 unit	
Plane geometry	1 unit	
Physics, or chemistry, or botany, or zoology, or physiology, or physiography, with laboratory work	1 unit	
II. Electives (see general electives, page 64)	9 units	
Total	15 units	

THE GRADUATE SCHOOL

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the Faculty after the student has demonstrated by his work here, for from two to five months, that he has the ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

A graduate of an institution meeting the requirements of a standard college (see p. 95) may be admitted to the Graduate School, provided he satisfies the Dean and the departments concerned that he will be able to proceed to the master's degree in a period not exceeding two years.

DESCRIPTION OF SUBJECTS ACCEPTED FOR ADMISSION

The amount of work in each subject which corresponds to the minimum number of credits assigned is shown by the description of subjects below. (See statement of work required for credit of one unit, page 62.)

1. **AGRICULTURE.**—A course in agriculture may be accepted for one unit of entrance credit, and two such courses may be accepted for two units, provided the work covered by each course is so closely related in its parts as to constitute one of the generally accepted divisions now recognized in agricultural work. At least half of the time must be devoted to laboratory work, and note-books should be presented.

2. **ALGEBRA, One and one-half units.**—Fundamental operations, factoring, fractions, simple equations, extraction of roots, radicals, quadratic equations and equations reducible to quadratic form, surds, theory of exponents, proportion and variation, logarithms, and the analysis and solution of problems involving these principles.

ALGEBRA, One unit.—Fundamental operations, factoring, fractions, simple equations, extraction of roots, radicals of second order, fractional exponents, variation and proportion, quadratics, including completing the square and simultaneous equations having one quadratic and one linear equation and quadratic systems of simple form.

3. **ASTRONOMY.**—In addition to a knowledge of the descriptive matter in a good text-book, there must be some practical familiarity with the geography of the heavens, with the various celestial motions, and with the positions of the conspicuous naked-eye heavenly bodies.

4. **BOOKKEEPING.**—A working knowledge of double entry bookkeeping, with particular emphasis on the study of business transactions and their interpretation in the ledger accounts, through the media known as books of original entry; the making of simple trading and profit and loss statements and of balance sheets, and explanation of the meanings of the items involved in both. The work must be done under the immediate supervision of a teacher, and should amount to at least ten periods in class each week for one academic year.

5. **BOTANY.**—A familiar acquaintance with the general structure of plants and of the principal organs and their functions, derived to a considerable extent from a study of the objects, is required; also a general knowledge of the main groups of plants and the ability to classify and name the more common species. Laboratory note-books and herbarium collections must be presented.

6. **BUSINESS LAW.**—The amount of business law which is accepted is indicated by the ground covered in any of the ordinary text-books on the subject, such as Spencer's *Elements of Commercial Law*, Burdick's *Business law*, and White's *Elements of Commercial Law*.

7. **CHEMISTRY.**—Text-book and laboratory work so arranged that at least half of the time shall be given to the laboratory. The laboratory notes, bearing the teacher's indorsement, must be presented as evidence of the actual laboratory work accomplished. Candidates for admission may be required to demonstrate their ability by laboratory tests.

8. **CIVICS.**—The high-school course for one term should deal mainly with American government (local, state, and national), political institutions, and citizenship. Such text-books as Ashley, Forman, and Garner indicate the field required. A full year's high school course may give attention to social problems.

9. **COMMERCIAL ARITHMETIC.**—The amount of work to be covered is represented by that found in any of the ordinary first-class texts on the subject, such as Smith's, Finney's, Bookman's, Rowe's "New Essentials," Thurston's, and Baker's. Instructions should constantly attempt to emphasize the relation of arithmetic to business customs and procedures.

10. **COMMERCIAL GEOGRAPHY.**—The amount and character of the work accepted in this subject is indicated by the scope of such books as Redway's *Commercial Geography*, Adam's smaller book on the same subject, the text-books of Brigham, or Robinson, or Trotter's work.

11. **DOMESTIC SCIENCE.**—(a) An equivalent of 180 hours of prepared work with at least two recitation periods a week in foods. (b) An equivalent of 180 hours of prepared work with at least one recitation period a week in clothing. (c) An equivalent of 180 hours of prepared work with at least two recitation periods a week on the home. (Two periods of laboratory work are considered equivalent to one period of prepared work). Either (a) or (b) or (c) will be accepted for one unit; or one-half unit may be accepted in each of these divisions. Where two years are offered, it is desirable that one semester in the second year be devoted to the home. (c) may be accepted as a third unit, providing it is given substantially as outlined in the Syllabus of Domestic Science and Domestic Art published by the University and that (a) and (b) are made prerequisite for it. The work is to be done by trained teachers with individual equipment, as determined by inspection.

12. **DRAWING.**—Freehand or mechanical drawing, or both. Drawing books or plates must be submitted. The number of credits allowed depends on the quantity and quality of the work submitted.

13. **ECONOMICS.**—The principles of economics, with economic history, as given in any good elementary text-book.

14. **ENGLISH COMPOSITION AND RHETORIC.**—Spelling, punctuation, grammar, sentence structure, and paragraphing, and ability to write with considerable accuracy and effectiveness; knowledge of the application of grammatical terms as used in a good text-book and ability to state the essential principles of grammar and to explain the grammatical structure of sentences. The student is supposed to know the elementary principles of rhetoric, the technical terms used in the subject, and the application of the principles to ordinary composition. The degree of proficiency expected in grammar, rhetoric, and composition can hardly be acquired in less than one period each week for four years. During at least half of this time the student should have written compositions under supervision and have received individual criticism of his written work. A review of grammar and some supervised composition in the fourth preparatory year are strongly advised. The elemen-

tary course in composition required of all students in the University is based on the assumption that each student has at least the degree of proficiency suggested in this paragraph.

On entering the University, students are registered tentatively in the first course in composition, Rhetoric I, and are tested in their ability to write. Those who do not show a degree of proficiency suggested in the foregoing paragraph are excluded from Rhetoric I and are assigned to a preparatory course.

15. **ENGLISH LITERATURE.**—(a) Each candidate is expected to have read certain assigned literary masterpieces, and will be subjected to such an examination as will determine whether or not he has done so. With a view to a large freedom of choice, the books provided for reading are arranged in the following groups from which at least ten units are to be selected, two from each group. Each unit is here set off by semicolons.

I. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Iliad, with the omission, if desired, of Books XI, XII, XIII, XIV, XV, XVII, XXI; the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; Vergil's Aeneid. The Iliad, the Odyssey, and the Aeneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespeare's *Merchant of Venice*; *Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Caesar*.

III. Defoe's *Robinson Crusoe*, Part I; Goldsmith's *Vicar of Wakefield*; Scott's *Ivanhoe* or *Quentin Durward*; Hawthorne's *House of Seven Gables*; Dicken's *David Copperfield* or *Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

IV. Bunyan's *Pilgrim's Progress*, Part I; Sir Roger de Coverly Papers in the *Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive and Warren Hastings*; Thackeray's *English Humorists*; selections from Lincoln, including the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter to Horace Greeley, with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden* or selection from Huxley's *Lay Sermons*; Stevenson's *Inland Voyage and Travels with a Donkey*; the *Atlantic's* *Prose and Poetry*.

V. Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir Launfal*; Scott's *Lady of the Lake*; Byron's *Childe Harold*, Canto IV, and *Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series) Book IV, with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *Courtship of Miles Standish*, Whittier's *Snow Bound*; Macaulay's *Lay of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*; Browning's *Cavalier Tunes*; *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

(b) In addition to the foregoing the candidate will be required to present a careful, systematic study, with supplementary reading, of the history of either English or American literature.

(c) The candidate will be examined on the form and substance of certain books in addition to those named under (a). For 1923 the books will be selected from the list below. The examination will be of such a character as to require a minute study of each of the works named. The list is:

Shakespeare's *Macbeth*; Milton's *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*; a volume of modern short stories and a volume of modern essays.

The work outlined in (a), (b), and (c) counts for two units.

(d) The three units in English composition, rhetoric, and literature, as described above are required for all students. A fourth unit may be obtained for one full year's additional work in the study of English and American authors.

16. **FRENCH, First year's work.**—Elementary grammar, with the more common irregular verbs. Careful training in pronunciation. About 100 pages of easy prose should be read. *Second year's work.*—Advanced grammar, with all the irregular verbs. Elementary composition and conversation. About 300 pages of modern French should be read. *Third year's work.*—Intermediate composition and conversation. About 500 pages of

standard authors should be read, including a few classics. *Fourth year's work.*—Advanced composition and conversation. Standard modern and classical authors should be read and studied to the extent of 700 pages.

17. GENERAL SCIENCE.—The subject matter must be of a character such as to enable the student to interpret his obvious environment, both natural and mechanical, in terms of the fundamental principles of science involved. The work necessary to earn a full unit of credit must be conducted as a laboratory science with double periods for unprepared work.

18. GEOLOGY.—For one unit, the equivalent of a year's work as conducted in first-class high schools. Such a course includes the thoro study of one of the more abbreviated modern text-books of geology, a generous amount of laboratory work on specimens, maps, models, etc., and wherever possible, several field trips. When available, laboratory notebooks should be presented.

19. GEOMETRY.—(a) *Plane Geometry.* Special emphasis is placed on the ability to use propositions in the solution of original numerical exercises and of supplementary theorems.

(b) *Solid and Spherical Geometry.* Applications to the solution of original exercises are emphasized.

20. GERMAN.—Pupils should be trained to understand spoken German and to reproduce freely in writing and orally what has been read. A thoro knowledge of grammar is expected. *First year's work.*—Ability to read intelligently and with accurate pronunciation simple German prose, to translate it into idiomatic English, and to answer in German easy questions on the passage read. A few short poems may be memorized. Elementary grammar should be mastered up to the subjunctive. Easy prose composition rather than the writing of forms will be the test of the grammatical work in entrance examinations. *Second year's work.*—Modern writers whose works have a distinctly German atmosphere, and material which lends itself to conversational treatment in the class room. The recitations should afford constant oral and written drill on the elementary grammar of the previous year. The beginner's book should be completed, but more importance is attached to accuracy and facility in simple modes of expression than to a theoretical knowledge of advanced syntax. *Third year's work.*—Most of the time should still be devoted to modern prose. There should be some work in advanced prose composition—based on German models—and the recitations should continue to afford abundant oral practise. Pupils ought by this time to understand spoken German. *Fourth year's work.*—Work in composition should take the form of free reproduction of portions of the text studied rather than translation of English selections. The reading should be divided about equally between modern and classical authors.

21. GREEK, *First year's work.*—The exercises in any of the beginning books, and one book of the *Anabasis* or its equivalent. *Second year's work.*—Two additional books of the *Anabasis* and three of Homer, or their equivalents, together with an amount of Greek prose composition equal to one exercise a week for one year. *Third year's work.*—Three additional books of the *Iliad*, three of the *Odyssey*, and Books VI, VII, VIII of Herodotus, or an equivalent from other authors.

22. HISTORY.—One, two, or three units may be presented, to be chosen from the following list: Ancient history to 800 A. D., one unit; medieval and modern history, one unit; English history, one-half or one unit; American history, one-half or one unit.

Examinations for entrance will be given in all these subjects. The examination for each unit is intended to cover one full year of high school work.

23. LATIN, *First year's work.*—Such knowledge of inflections and syntax as is given in any good preparatory Latin book, together with the ability to read simple fables and stories. *Second year's work.*—Four books of Caesar's Gallic War, or its equivalent in Latin of equal difficulty; the ability to write simple Latin based on the text. *Third year's work.*—Six orations of Cicero; the ability to write simple Latin based on the text; the simpler historical references and the fundamental facts of Latin syntax. *Fourth year's work.*—Six books of Vergil's *Aeneid*, with history and mythology; the scansion of hexameter verse.

24. MANUAL TRAINING.—The requirement for one unit is the equivalent of 361 forty-minute periods in manual training following the syllabus prepared by the manual-training section of the High School Conference.

25. MUSIC.—Credit in harmony, history of music, and musical appreciation, one unit or two units, is acceptable by certificate, from schools accredited therefor, for admission to all departments of the University. To be acceptable, courses in these branches must conform to the schedule adopted by the University, as follows:

Courses in harmony, history of music, and musical appreciation will be accredited on the same basis as other high school courses. Five hours of recitation per week without

preparation will receive one-half unit. Written work will be required in all courses, but pre-eminently in harmony.

(a) *HARMONY, First year's work.*—Elements of musical notation; Construction of major and minor scales; keys; signatures; intervals, general and specific; key relationships; consonances and dissonances; triads, primary and secondary; inversions of triads; chord progressions; simple melodies harmonized with tonic, dominant, and sub-dominant harmonies.

HARMONY, Second year's work.—Review of triads; seventh chords, primary and secondary; harmonization of simple melodies with triads and seventh chords; harmonic analysis; original work.

(b) *History of Music:* A text-book course, with recitations and written work, touching the beginning of music, and including a fairly comprehensive study of the development of music since 1600 and acquaintance with the lives and productions of the greatest composers and performers. One year.

(c) Music Appreciation based upon the standard choruses and instrumental selections from the works of the great composers of each epoch, with instructions in elementary theory, sight-singing and ear-training. One year.

(d) A composite course may be offered including harmony, history of music, and musical appreciation, any two of these subjects, and subject to the same regulations, with the added specification that in such a course at least one recitation per week in harmony with written preparation, shall be included. Two years.

Applied music to the extent of one unit may be accepted with the provision that one unit in theoretical music is offered at the same time and that these courses shall have been preceded by two years of high school music.

For admission to the School of Music only, two units in "practical" music, i.e., piano, voice, or violin, are required. Students obtain credits in the "practical" music by examination. In the examination for two units in *piano*, students are required to play the following or the equivalent: Simple scales and arpeggios at fairly rapid tempo; scales in double octaves at moderate speed; Kunz Canons; Czerny, Op. 299; an easy sonata of Haydn, Mozart, or Beethoven. In the examination for two units in *voice*, students are required to sing the following or the equivalent: Simple scales and arpeggios; studies selected from Concone, Sieber, Panofka, and Panseron; songs selected from Schubert, Schumann, and modern composers. In the examination for two units in *violin*, students are required to play the following or the equivalent: Gruenberg, Foundation Exercises, numbers 81 to 117; Kayser, Opus 20, Book 2; Wohlfahrt, Opus 74, Book 2; Allen, Polonaise, Opus 7; and Seitz, Concertino, No. 1, D major.

26. *PHYSICS.*—One year's high school work covering the elements of physical science as presented in the best of the current high school text-books of physics. Laboratory practise in elementary quantitative experiments must accompany the text-book work. The candidate's laboratory note-book will be considered as part of the examination.

27. *PHYSICAL GEOGRAPHY.*—One year's work, fully covering such a text-book as those of R. S. Tarr and W. M. Davis. It is assumed that the recitations have been accompanied by several hours of laboratory work per week on various types of maps, models, etc., as well as by field excursions. Laboratory note-books must be presented for inspection.

28. *PHYSIOLOGY.*—For one-half unit: The anatomy, histology, and physiology of the human body and the essentials of hygiene, taught with the aid of charts and models to the extent shown in Martin's Human Body (Briefer Course). For more than one-half unit, the course must include practical laboratory work.

29. *SHORTHAND AND TYPEWRITING.*—These subjects must be taken together; no credit is given for either one by itself. For *one unit*, the time requirement is two periods daily for one year and the standard of attainment is 75 words a minute in taking dictation and 25 words a minute in the transcription on the machine of such dictation. For *two units*, the time requirement is two periods daily for two years, and the standard of attainment is 100 words a minute in taking dictation and 35 words a minute in the transcription on the machine of such dictation. Accuracy in spelling, punctuation, capitalization, and paragraphing should be emphasized; and attention should be given to the care of the machine, methods of copying, manifold, etc.

30. *SPANISH, First year's work.*—Elementary grammar, including thoro drill in the irregular verbs; careful training in pronunciation, and translation of simple Spanish when spoken; reading of about 100 pages of easy prose; simple composition and dictation. *Second year's work.*—In addition to the foregoing, about 300 pages of modern prose; elementary syntax; dictation, composition, and translation of spoken Spanish continued.

31. **TRIGONOMETRY.**—The work should cover the field of plane trigonometry, as given in standard text-books, including the solution of right and oblique triangles. Special emphasis is placed on the solution of practical problems, trigonometric identities, and trigonometric equations.

32. **ZOOLOGY.**—The instruction must include laboratory work equivalent to four periods a week for a half-year, besides the time required for text-book and recitation work. Note-books and drawings must be presented to show the character of the work done and the types of animals studied. The drawings are to be made from the objects themselves, not copied from illustrations, and the notes are to be a record of the student's own observations of the animals examined. The amount of equipment and the character of the surroundings must determine the nature of the work done and the kind of animals studied; but in any case the student should have at least a fairly accurate knowledge of the external anatomy of each of eight or ten animals distributed among the several larger divisions of the animal kingdom, and should know something of their life histories and of their more obvious adaptations to environment. It is recommended that special attention be given to such facts as can be gained from a careful study of the living animal. The names of the largest divisions of the animal kingdom, with their most important distinguishing characteristics, and with illustrative examples selected, when practicable, from familiar forms, ought also to be known.

GRADUATION—FIRST DEGREES

THE BACHELOR'S DEGREE

A bachelor's degree is conferred on any student who satisfactorily completes the curriculum described under one of the various colleges and schools, doing either the first three years, or the last year, of his work in residence at the University.

Residence Requirement

If the student is in residence at the University for one year only, that year's work must be taken in the college from which the degree is expected. No person will be recommended for a degree by the faculty of any college in the University unless he has been a regularly registered student in that college for at least one year, during which time he shall have completed at least thirty semester hours in course.

Number of Hours Required

A candidate for a bachelor's degree must pass in the subjects marked *prescribed* in his chosen curriculum, and must conform to the directions given in connection with that curriculum in regard to electives. In the College of Liberal Arts and Sciences (for the A. B. degree), the College of Commerce and Business Administration, and the College of Agriculture, credit for 130 hours is required for graduation. In the curricula in chemistry and chemical engineering in the College of Liberal Arts and Sciences, in the College of Engineering, in the College of Law, in the Library School, and in the School of Music, the candidate must complete the curriculum as laid down.

In order to receive his bachelor's degree a student must have secured grades not lower than C in subjects aggregating at least three-fourths of the work, prescribed or elective, required for such degree. The system of grading is as follows: A, excellent; B, good; C, fair; D, poor (but passing); E, failure.

Military Science and Physical Education

The number of hours required includes, for men, four in military drill and tactics and two in physical education; and for women, one in hygiene and four in physical education. Men excused from the military requirements, and women who do not take the course in physical education, must elect instead an equivalent number of hours in other subjects.

Thesis

In all cases in which a thesis is required¹, the subject must be announced not later than the first Monday in November, and the completed thesis must be submitted to the dean of the proper college by June 1. The work must be done under the direction of the professor in whose department the subject belongs, and must be in the line of the curriculum for which a degree is expected. The thesis must be presented on regulation paper; it is deposited in the library of the University.

Degrees Conferred Four Times a Year

The Annual commencement exercises are held in June, but degrees may be conferred at other times as follows:

Students who complete their work at the end of the first semester may, on application, be recommended for their degree at the February meeting of the Senate.

Students who are to complete their work for the bachelor's or the master's degree in the Summer Session, and who register in advance of the June meeting of the Senate for specified courses in that session which complete the requirements in their cases, may be recommended at the June meeting, subject to the successful completion of the specified courses in the Summer Session.

¹See requirements for graduation in the various colleges.

Students who complete their work at the end of the Summer Session may, on application, be recommended at the October meeting of the Senate.

All graduates are ranked as of the class of the calendar year in which their degrees were conferred, i. e., students who receive their diplomas in August or October, with the class of the preceding June, and those who receive their diplomas in February, with the class of the following June.

Second Bachelor's Degree

A student who has already received one bachelor's degree may receive a second bachelor's degree, provided that all specified requirements for both degrees be fully met, and provided also that the curriculum offered for the second degree include at least 30 semester hours not counted for the first degree.

LIST OF FIRST DEGREES

1. The degree of BACHELOR OF ARTS is conferred on those who complete a curriculum in literature and arts, or certain curricula in science, in the College of Liberal Arts and Sciences.

2. The degree of BACHELOR OF SCIENCE is conferred on those who complete a curriculum in the College of Engineering, in the College of Commerce and Business Administration, in the College of Agriculture, or in the College of Education. This degree is conferred on a graduate of the College of Liberal Arts and Sciences who completes a curriculum in chemistry or chemical engineering, or a student in the College of Education who completes the requirements for graduation as stated on page 114, and it may be conferred on graduates from other curricula in this College on recommendation of the faculty. It is conferred on students who offer two years of acceptable college work for admission to the College of Medicine and complete the two years of scientific work in medical subjects and subjects preparatory to medicine which are offered in the Junior College; on the completion of the two additional years in clinical work offered in the Senior College, such students may receive the degree of Doctor of Medicine. It may also be conferred on students who complete the combined curriculum in science and dentistry which includes two years in a recognized college of Liberal Arts and Sciences, embracing certain prescribed subjects, and the first two years in the College of Dentistry of the University.

3. The degree of BACHELOR OF LAWS is conferred on those who complete the curriculum in the College of Law.

4. The degree of DOCTOR OF LAW is conferred on those who complete the curriculum in the College of Law, satisfying certain special requirements additional to those for the degree of Bachelor of Laws.

5. The degree of BACHELOR OF LIBRARY SCIENCE is conferred on those who complete the curriculum in the Library School.

6. The degree of BACHELOR OF MUSIC is conferred on those who complete one of the curricula in the School of Music.

7. The degree of DOCTOR OF MEDICINE is conferred on those who complete the curriculum in the College of Medicine.

8. The degree of DOCTOR OF DENTAL SURGERY is conferred on those who complete the curriculum in the College of Dentistry.

9, 10. The degree of GRADUATE IN PHARMACY, or of PHARMACEUTICAL CHEMIST, is conferred on those who complete the shorter and the longer curricula, respectively, in the School of Pharmacy.

HONORS AND COMPETITIONS

UNIVERSITY HONORS

By the following system of honors, the University gives public official recognition to such students as attain a high grade of scholarship.

Preliminary Honors

Preliminary Honors are assigned at the completion of the sophomore year on the basis of the average of the grades received during the freshmen and sophomore years in all studies except military and physical training. To be eligible for preliminary honors a student must have received grades of A in at least fifty per cent. and must not have received grades of C or lower in more than fifteen per cent. of the work in which honors are sought. Preliminary Honors afford an opportunity for sophomores to secure recognition for high scholarship without waiting for graduation.

Final and Special Honors

(Candidates for the Degrees of B.S., B.Mus., LL.B., and B.L.S.)

Final Honors are assigned on graduation on the basis of the average grades received during the junior and senior years. To be eligible for final honors a student must have received grades of A in at least fifty per cent. and must not have received grades of C or lower in more than fifteen per cent. of the work in which honors are sought. Final honors are designed especially to favor students whose preparatory education has been so imperfect as to prevent them from receiving preliminary honors.

Special Honors are awarded at the close of the senior year. No student may receive such honors who has not completed, before the beginning of his senior year, at least twenty hours' work in the subject, or group of allied subjects, in which the honors are proposed; he must complete thirty hours' work in the same subject, or group of allied subjects, by the end of his senior year, must do such other work as the professor in charge may assign, and must prepare an acceptable thesis. No student is eligible for special honors who, during the senior year, has received a grade lower than C in any subject. Special honors are planned for especially brilliant students who prefer to concentrate their efforts on a special course. A student may be a recipient of both final and special honors.

The Degree of Bachelor of Arts with Honors

The Faculty of the College of Liberal Arts and Sciences has been authorized to recommend candidates for the degree of Bachelor of Arts *with honors* in a particular subject. Such recommendations will be made under the following conditions:

1. For the degree with *Honorable Mention* the student must have received the grade A in at least half of his work, offered in courses acceptable for his major subject, and no grade below C in the work thus offered. He must also have attained a grade not lower than B in at least three-fourths of all the other work which he presents for graduation, exclusive of courses taken during his freshman year.

2. For the degree with *High Honors*, constituting a recognition of work of exceptional merit, the student must have received the grade A in at least three-fourths of his work offered in courses acceptable for his major subject, and no grade below B in the work thus offered. He must also have attained a grade not lower than B in at least three-fourths of all the other work which he presents for graduation, exclusive of courses taken during his freshman year. Not later than five weeks before the end of the session in which he expects to complete the work for his degree, he must be recommended by the department in which his major subject is chosen, and either present an acceptable thesis in his major subject or pass a satisfactory examination based upon a course of study approved by the department in which he does his major work, and pursued under the direction of an instructor selected by the student with the consent of the department.

3. The thesis or course of study in the department in which major work is done shall carry credit for at least four semester hours, irrespective of whether the student eventually receives High Honors or not; and the instructor in charge shall report to the Registrar a grade for the course at the end of each semester, based upon a test, either written or oral, of the student's progress.

4. These distinctions shall be noted upon the student's baccalaureate diploma and in the Commencement Program and the Annual Register, and the winners shall receive special consideration in departmental recommendations for graduate scholarships and for professional positions.

Freshman Honors

(College of Liberal Arts and Sciences)

At the close of each year a list is prepared of those members of the freshman class in the College of Liberal Arts and Sciences who have made an especially good record in scholarship. The names of such students are announced at an assembly of the College; notice is also sent in each case to the parent or guardian, and to the principal of the high school of which the student is a graduate.

List of Honors

The names of the students who received honors under the foregoing regulations during the academic year 1921-22 are published in part VII of the Register.

DEBATING AND ORATORY

The University engages yearly in four intercollegiate debates, the teams for which are chosen in a series of competitive preliminaries to which all students are eligible.

THE I. M. I. DEBATING LEAGUE consists of the Universities of Illinois, Minnesota, and Iowa. It holds a debate at each university on the first Friday in December.

THE MIDWEST DEBATING LEAGUE consists of the Universities of Illinois, Michigan, and Wisconsin. It holds a debate at each university on the third Friday in March.

THE NORTHERN ORATORICAL LEAGUE, consisting of Northwestern University, and the state Universities of Illinois, Iowa, Michigan, Minnesota, and Wisconsin, holds an annual contest on the first Friday evening in May. The contests for 1923 will be held on May 4, at Minneapolis, Minn. The winner receives the Lowden testimonial of one hundred dollars, and the speaker awarded second place, fifty dollars. The Illinois representative is selected in competitive contests open to all undergraduates.

A FRESHMAN-SOPHOMORE DEBATE and an INTER-SOCIETY DECLAMATION CONTEST are held yearly.

THE THACHER HOWLAND GUILD MEMORIAL PRIZE

Friends and admirers of Thacher Howland Guild, instructor and associate in English, 1904-14, have endowed the Thacher Howland Guild Memorial Prize, an annual prize of \$25, to be given to the undergraduate student submitting the poem or one-act play which in the opinion of a committee appointed by the department of English shows the greatest originality and literary merit; provided that the award may be withheld in any year if no production deemed worthy of a prize is submitted. The name of the winner of this prize is printed in the commencement program.

ST. PATRICK'S DAY PRIZE

The Ancient Order of Hibernians offer annually a prize of \$50 for the best essay by an undergraduate or a graduate student of the University on a subject connected with Ancient Irish literature, history, or archeology. The essay, not less than 5,000 words in length, must be submitted one month before Commencement Day. Contestants are requested to sign a fictitious name.

THE BRYAN PRIZE

In 1898, Mr. William Jennings Bryan gave to the University the sum of \$250 from the interest on which a prize of \$25 is offered biennially for the best essay on a topic relating to the science of government. The contest is open to all matriculated and

undergraduate students. The essays may not be less than three thousand nor more than six thousand words in length, and they must be left at the President's office not later than the second Wednesday in May. It is suggested that the essays be on some phase of modern colonial government. The prize was offered for the first time in 1901. It is offered in 1923.

ARCHITECTURE

The Francis J. Plym Fellowship in Architecture

By the generosity of Mr. Francis J. Plym, of Niles, Michigan, a graduate of the University of Illinois of the class of 1897, the Trustees have been enabled to establish a fellowship for the advanced study of architecture. The stipend attached to this fellowship is \$1,000, awarded annually by competition in Architectural Design. The holder of the fellowship is required to spend a year in study abroad. For further information address the Department of Architecture.

The American Institute of Architects Medal

The American Institute of Architects offers annually a medal for award to the senior in the department of architecture whose development during the four years' course is the most consistent and best. In making the award the scholarship in all work is considered.

The Scarab Medal in Architecture

The Scarab Society of the department of architecture offers annually a bronze medal to be awarded during the second semester for the best solution of a problem in architectural design, the competition being limited to students in architecture.

The Ricker Prize in Architectural History

The Ricker Prize in Architectural History is awarded annually for the best presentation of some phase of Architectural History, and is open to all students registered in the second year's work in this subject. This prize is given by the Alpha Rho Chi society in recognition of the many distinguished contributions made by Dr. Nathan Clifford Ricker who for fifty years taught Architectural History.

American Academy Prize

The Prize in Architecture of the American Academy in Rome is open for competition among qualified undergraduates and graduates of certain American architectural schools, including that of the University of Illinois. This prize grants three years of residence and travel abroad for the study of classic and renaissance architecture.

MILITARY CONTESTS AND PRIZES

The University Bronze Medals

Bronze medals typical of the University and its Military Department are awarded by the University to the members of the companies, troops, and batteries which shall score the greatest number of points at the annual competitive drill, held at some time between May 15 and May 31. The members of the company, troop, and battery rifle teams making the highest score at gallery target practise are also awarded medals. The medals so awarded become the permanent property of the recipients.

The University Gold Medal

The Board of Trustees provides annually a gold medal which is to be awarded, at the annual competitive drill held near the close of the year, to the best drilled student, whose property the medal becomes. Each student must have matriculated in the University and must have completed one semester's work in Military 1 with a grade not lower

than B, and three semester's work in Military 2 with a grade not lower than A; and he must have an average standing not lower than C in all his other studies for the preceding semester. The standing shall be determined by the Registrar. The name of the winner is published in the Annual Register of the University for the following year. The award is made for excellence in the same details as in the Hazelton contest.

The Hazelton Prize Medal

Captain W. C. Hazelton provided in 1890 a medal, which is awarded, at a competitive drill held at some time between May 15 and May 31, to the best drilled student. Each competitor must have been in attendance at the University at least sixteen weeks of the current college year; must have had fewer than five unexcused absences from drill; and must present himself for competition in full uniform.

The award is made for excellence in:

1. Erectness of carriage, military appearance, and neatness.
2. Execution of the school of the soldier, without arms.
3. Manual of arms, with and without numbers.

The name of the successful competitor is published in the Annual Register of the University for the following year. He is given a certificate setting forth the fact, and may wear the medal until the fifteenth day of the May following, when he must return it for the next competition.

CAVALRY MEDAL

The Cavalry Unit in 1920 provided a gold medal which is awarded, at a competitive drill held sometime between May 15th and May 31st, to the best drilled Cavalry student of the basic course. The award is made for excellence in the use of Cavalry weapons, both mounted and dismounted, and for soldierly bearing and appearance.

The name of the successful competitor is published in the Annual Register of the University for the following year. He is given a certificate setting forth the facts, and may wear the medal until the 15th day of May following, when he must return it for the next competition.

Infantry and Artillery Prize

To the Infantry Company and Artillery Battery which win the competition in the Infantry and Artillery respectively, is awarded a silver cup.

CHI OMEGA PRIZE IN SOCIOLOGY

The University of Illinois Chapter of Chi Omega offers annually a prize of twenty-five dollars for the best essay written by a woman in connection with any course in sociology.

BETA GAMMA SIGMA PRIZE

Alpha of Illinois chapter of Beta Gamma Sigma awards a silver cup each year to the Commerce freshman man who makes the highest scholastic average in his first semester's attendance at the University. The prize winner's name and average is engrossed upon a parchment scroll and the scroll is hung in a prominent place in the Commerce Building.

THE SCHAEFER PRIZE IN ENGINEERING

Mr. John V. Schaefer, President of the Cement Gun Construction Company of Chicago, a graduate of the College of Engineering of the Class of 1889, offers annually a first prize of twenty-five dollars and a second prize of fifteen dollars for the two best technical papers written by students beyond the freshman year in the College of Engineering. The essay, which must be at least 1500 words and not more than 2500 words in length, must describe some engineering construction or operation with which the writer has been personally identified in some capacity during a vacation period, and must be accompanied by photographs and by freehand sketches made by the writer. It must be submitted to the Dean of the College of Engineering early in January of each year. The prizes were offered for the first time in 1921.

LECTURES AND OTHER GENERAL EXERCISES

A part of the instruction afforded by the University to its students is given through the medium of lectures by distinguished men and women from outside the University and by means of exhibitions, recitals, and other exercises distinct from the regular courses of instruction. A partial list of these exercises for the calendar year 1922 follows. Lectures by members of the University faculty are excluded from this list.

LECTURES AND EXERCISES

Convocations

March 15.	In honor of Dr. Nathan Clifford Ricker, Professor of Architecture, Emeritus. Address by President IRA N. HOLLIS, Worcester Polytechnic Institute.
April 4.	Pre-Medical Convocation. Address by Dr. L. F. HEIMBERGER, China.
Sept. 20.	Freshman Convocation.
Nov. 11.	Armistice Day. Address by Judge WALTER C. LINDLEY, Danville.
Nov. 28.	Pre-Medical Convocation. Address by Dr. PAUL W. HARRISON, Arabia.
Dec. 20.	University Convocation.

General University Lectures

Jan. 20.	MR. GEORGE A. SHELLON: Use of machinery in highway construction.
Feb. 15, 16, 17.	Dr. CHARLES UPSON CLARK: (1) Beginnings of literature in Western Europe: Italian and Spanish; (2) Beginnings of literature in Western Europe: French; (3) Rome, the capital of the Caesars; (4) Beginnings of literature in Western Europe: English.
Feb. 20, 21, 22, 23.	Baron SERGIUS A. KORFF: (1) The story of the Russian revolution; (2) Bolshevism: its theory, practise and economic effects; (3) Russian foreign policies; (4) Russia in the Pacific.
Feb. 26.	Miss JANE ADDAMS: The United States and its relation to world problems.
Feb. 27, 28.	Mr. WARREN K. MOOREHEAD: Phases of American archaeology: (1) The problem of the mound builder; (2) The Cahokia mounds of Illinois; (3) The Pueblo, cliff dwellers and desert Indians; (4) The American Indian, past and present.
March 1, 2.	Dr. CARL VAN DOREN, literary editor of the Nation: (1) International news and our foreign news service; (2) Editorial problems and types of editorials; (3) Functions of the Weekly Journals of Opinion; (4) The American Novel; (5) Book reviewing.
March 6, 7, 8, 9, 10.	Professor ELWOOD P. CUBBERLEY, Leland Stanford Jr. University: State administration problems in education.
March 6, 7.	Mr. WILBUR HELM: Business rewards writers.
March 7.	Mr. MORTEN P. PORSILD, Greenland: Greenland: the geography and history; (2) The plants of Greenland—their affinity to surrounding Arctic lands and probable history; (3) The animals of Greenland—their character and relation to the life of the people.
March 16.	Mr. A. D. TAYLOR, Cleveland: American homes and gardens. Auspices of Landscape Gardening Division.
March 30, 31.	Professor CHARLES CESTRE, University of Paris: (1) Walt Whitman, poet of the self; (2) The ideal of equality and solidarity in France in the nineteenth century; (3) The French ideal of reason; (4) La scholastique jugée par Rabelais et par Molière (in French).
April 6.	Mr. FRANK E. WEBNER: The factory executive and his overhead costs.
April 7.	Miss ELIZABETH KNAPP: The home library and poetry for children.
April 26.	Lecture under auspices of Theta Sigma Phi. FLORENCE FINCH KELLY: The importance of being a woman.
Oct. 16, 17, 18, 19.	Dr. A. E. BUNOE, University of Buenos Ayres: (1) The Argentine people; (2) Economic resources of Argentina; (3) Contemporary Argentine problems; (4) Economic outlook of Argentina.
Nov. 3.	Dr. CASEY A. WOOD: Some birds and reptiles I have met.
Nov. 15, 16, 17.	Professor CLAUDE H. VAN TYNE, University of Michigan: (1) British and native life in India; (2) The conditions of political life in India; (3) The Government of India Act (1919) and how it works.

Star Course

Jan. 13.	EDWARD JOHNSON, tenor.
Feb. 17.	KENNEDY and MATHISON, "Electra of Euripides".
March 31.	VASA PRIHODA, violinist.
Oct. 27.	CLAIRE DUX, soprano.
Dec. 4.	WM. WADE HINSHAW's production of "The Impresario".

Symphony Course

April 1.	BARRÈRE ENSEMBLE.
April 28, 29.	ST. LOUIS SYMPHONY ORCHESTRA.
	UNIVERSITY CHORAL SOCIETY.
Dec. 19.	DETROIT SYMPHONY ORCHESTRA.

All University Services, 1922

Jan. 8.	Dr. A. J. MC CARTNEY: Paganizing America.
Feb. 12.	Dr. SAMUEL GUY INMAN: Inter-American Relations and the Spirit of Abraham Lincoln.
March 12.	Hon. J. STITT WILSON: Constructive Christian Democracy.
April 2.	Rev. R. E. VALE: Four Paths to Power.
May 14.	Dr. CHAS. W. GILKEY: What is there in Religion?
Oct. 8.	COUNT ILYA TOLSTOY: The Conscience of the World.
Oct. 29.	Dr. CHAS. FOSTER KENT: The Religion of an Educated Man.
Nov. 12.	Rev. F. F. SHANNON: The Secret of Souls in Action.
Nov. 26.	Dr. PAUL W. HARRISON: The Near East—What can we do about it?
	{ Miss JESSIE DODGE WHITE
Dec. 10.	{ Mr. H. C. ROGERS: Student Fellowship for Christian Life-Service.
	{ Mr. O. T. GILMORE.

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Special Lectures

March 21.	MATTHEW WOLD, Chicago: The use of injunctions.
March 28.	W. F. BARNETT, Springfield: Illinois Securities Act.
April 7.	VICTOR OLANDER, Chicago: Collective Bargaining.
May 11.	A. W. DOUGLAS, St. Louis.
May 14.	NOEL SARGENT, New York City: The Open vs. the Closed Shop.
Nov. 24.	RICHARD B. BRADLEY, Peoria: Sidelights on Salesmanship.
Nov. 27.	JAY G. MITCHELL, Springfield: A Career for Achievement and Service.
Dec. 3.	J. P. STAFFORD, Chicago: Worker's Representation in Industry.
Dec. 6.	A. W. DOUGLAS, St. Louis: Some Marketing Problems of Today.
Dec. 10.	G. J. KELDAY, Chicago: Job Analysis.
Dec. 13.	HOMER J. BUCKLEY, Chicago: Power of Letters in the Conducting of Business.

COLLEGE OF ENGINEERING

Short Courses and Conventions

Jan. 23—	
Feb. 4.	Short Course in Ceramic Engineering
Feb. 20—	
Feb. 24.	Short Course in Highway Engineering

Architectural Club

Jan. 18.	Mr. ALFRED GRANGER, Chicago, Illinois: "The Design of Railroad Terminals".
Feb. 9.	Mr. JOHN V. VAN PELT, New York, New York: "Architectural Design."
Feb. 24.	Mr. ANDERSON, Massillon, Ohio: "Pressed Steel Lumber."
Oct. 24.	Mr. FREDERICK LOWELL LAURENCE, New York City: "Terra Cotta in Architecture."

Electrical Engineering Society

Feb. 10.	Professor J. C. PARKER, University of Michigan: "The Economical Useful Life of Apparatus."
Feb. 23.	Mr. JOHN MILLS, New York City: "The Human Voice: Its Electrical Transmission."
Apr. 20.	ELECTRICAL ENGINEERING SHOW.
March 16.	Mr. JAMES KETCH, National Lamp Works, Cleveland, Ohio: "The Art of Illumination."

THE STUDENT BRANCH OF THE AMERICAN SOCIETY
OF MECHANICAL ENGINEERS

First Semester

Mr. L. DANTZIG, S. K. F. Industries: Ball Bearings.
Mr. G. E. MOORE, Johns Manville Company: The Story of Asbestos.
Mr. F. K. SZEKELY, formerly Chief Engineer of Pierce Arrow Motor Company.

Second Semester

Mr. O. K. DYER, Assistant Sales Manager of Buffalo Forge Company: Heating and Ventilation.
Mr. T. A. MARSH, Green Engineering Company: Combustion.

EXHIBITIONS

Feb. 10—Feb. 28.	ARCHITECTURAL EXHIBITION—Student work in design from the Carnegie Institute of Technology.
March 10—	ARCHITECTURAL EXHIBITION—British Etchings loaned by the American Federation of Arts.
March 25.	
April 15—April 25.	ARCHITECTURAL EXHIBITION—Drawings submitted in the ninth competition for the Francis J. Plym Fellowship in Architecture.

THE COLLEGE OF AGRICULTURE

Short Courses and Conventions

1922

Jan. 16-27. Twenty-first Annual Corn Growers' and Stockmens' Convention and Two Weeks' Course in Agriculture.

Special Lectures

Jan. 18. Professor THEODORE MACKLIN, Department of Agricultural Economics, University of Wisconsin, Madison, Wisconsin: Why Market by Federation? Improve Marketing Through Education.
 Jan. 19. Professor L. W. FORMAN, State College, Ames, Iowa: Iowa's Soil Improvement Program.
 Jan. 20. Mr. HERMAN W. DANFORTH, President Federal Land Bank of St. Louis, Missouri: Farm Finance and Farm Credits.
 Jan. 24. Professor F. G. KING, Purdue University, LaFayette, Indiana: Beef Production in the Corn Belt.
 Jan. 24. Honorable HENRY R. RATHBONE, Chicago, Illinois: America's Opportunity.
 Jan. 25. Doctor R. D. RAFFENSPERGER, Chicago, Illinois: Some Facts on Round Worms Obtained in Field Experiments.

Jan. 26-27. Conference on Illinois Agricultural Policy. (Faculty Speakers not given.)

I. A Quarter-Century of Agricultural Progress in Illinois: A Review of Accomplishments.
 RALPH ALLEN: A System of Permanent Agriculture.
 N. W. HEPBURN, Peoria: Developments in the Dairy Industry.

II. Newer Phases of Agricultural Progress.

FRANK I. MANN, Gidman: Newer Problems in Soil Treatment.
 CHARLES A. EWING, Decatur: Business Aspects of Farming.
 E. T. ROBBINS, Farm Advisor of DeWitt County: The Farm Bureau.
 D. O. THOMPSON, Secretary, Chicago: The Illinois Agricultural Association.
 HARVEY J. SCONCE, Sidell: United States Delegate to the International Institute of Agriculture at Rome. An International Crop Reporting Service.
 J. D. PHILLIPS, Chairman of the Special Committee on Farm Finance, State Division American Bankers Association, Green Valley: Financing Farming.

III. Agriculture in Its Relation to Other Interests.

THOMAS NIXON CARVER, Harvard University: The Business of Farming in Some of its Larger Aspects.

IV. Next Steps in Agricultural Development in Illinois: A Program For A Better Balanced Agriculture.

CHARLES L. MEHARRY, Attica, Indiana: The Introduction of New Crops.
 A. N. ABBOTT, Morrison: Farm Forestry in Illinois.
 W. S. CORSA, White Hall: Can Illinois Come Back As a Stock Breeding Ground?
 W. N. RUDD, Blue Island: Roadside Improvement.
 J. V. STEVENSON, Streator: The Country Home.

V. The Place of the Agricultural College and Experiment Station in an Illinois Program for Agricultural Development.

M. L. MOSHER, Eureka: The Agricultural Extension Service.

Nov. 8. Laying of the Cornerstone of the New Agricultural Building.

Addresses: FRANK I. MANN, President Illinois Farmers' Institute;
 HOWARD LEONARD, President Illinois Agricultural Association.
 Laying of the Cornerstone: HARVEY J. SCONCE, Sidell.

Agricultural Extension

Oct. 4. A. J. BILL, Bloomington: Fundamental Importance of Rhetoric to Agricultural Students.
 Oct. 23. J. W. WATSON, Monticello: Work of the County Agent.
 Nov. 8. HOWARD LEONARD, President, Eureka: The Work of the Illinois Agricultural Association.

Animal Husbandry Department

Oct. 20. Baby International Live Stock Show.

*Department of Horticulture**Special Lectures*

Oct. 12. Miss Grace Tabor.

Exhibitions

Nov. 12-15. Eleventh Annual Chrysanthemum Show.
 Nov. 12-15. First Annual Vegetable Show.

Special Lectures

- March 30. Miss MARY TORRENCE, Muncie, Indiana: Public library problems. Presentation ceremonies, Katherine L. Sharp, Memorial Tablet.
March 31. Mr. ADAM STROHM: The new Detroit public library building. (Illustrated)
May 16. Miss LOUISE B. KRAUSE: Reference work in a business library; Periodicals in a business library.
Nov. 13. Professor AZARIAH S. ROOT: Present problems of American Libraries; American libraries and scholarships.
Nov. 21. Mr. J. CHRISTIAN BAY: The history and service of the John Crerar Library.
Nov. 22. Mr. J. CHRISTIAN BAY: Rare and beautiful books of Illinois.

THE SCHOOL OF MUSIC

- Nov. 25. CONCERT OF CHAMBER MUSIC: Oberling Conservatory Trio.
Dec. 12. CHRISTMAS CONCERT: Choral Society.
Jan. 12. VOCAL RECITAL: Orpha Kendall Holstman, Soprano.
WEEKLY VESPER ORGAN RECITALS.

THE SUMMER SESSION

- July 20. Duo-Art Piano Recital.
July 21. COFFER-MILLER PLAYERS: The taming of the Shrew.
July 22. COFFER-MILLER PLAYERS: Guy Mannering.

ASSOCIATIONS, SOCIETIES, AND CLUBS

GENERAL ORGANIZATIONS

The Alumni Association

The Alumni Association is the general organization of the alumni of the University. The Association maintains an office at the University and publishes a monthly periodical, the *Illinois Alumni News*; in this office is compiled the alumni directory, known as *The Alumni Record*, successive editions of which have been published approximately every five years since 1906. An edition for the Colleges of Medicine and Dentistry and School of Pharmacy, at Chicago, was published in 1921. These Chicago department graduates have alumni associations of their own, as has the Library School. Local alumni associations have been organized in Illinois, in New York, Missouri, Oklahoma, Kansas, Wisconsin, Pennsylvania, Ohio, Indiana, Washington, North Dakota, Iowa, Colorado, California, Alabama, Arizona, Georgia, Kentucky, Massachusetts, Michigan, Minnesota, Tennessee, and Texas.

University of Illinois Union

The University of Illinois Union is an association of the men of the University, having for its general object the promotion of college spirit and good fellowship. All male students are eligible to active membership in the Union; alumni and members of the faculty may become associate members.

The Woman's League

The Woman's League was organized to further the spirit of unity among the women of the University and to be a medium for the stimulation and maintenance of high standards. All women students are eligible to active membership in the League; all women members of the faculty and of the Graduate School are eligible to associate membership.

The Honor Commission

The Honor System was adopted by a student referendum vote June 3rd, 1919, and was approved by the University Senate. Under this system all examinations are given entirely without faculty supervision, each student certifying on his paper that he has neither given nor received aid during the examination. Freshmen are also required to write the same honor pledge on their themes. There are two honor commissions, one for men and one for women, each made up of seven students. Violations of the Honor System are reported to these commissions for trial, and the findings of the honor commission are subject to final approval by the Council of Administration.

The Student Council

The Student Council of the University of Illinois is a student governing body in close contact through its members with every branch of student enterprise where the interests of men and women together are concerned.

Students' Hospital Fund

The Students' Mutual Benefit Hospital Fund provides ward hospital care for members who become ill and need such care for a period not to exceed four weeks during any semester. Members pay \$2.00 a semester. The Dean of Men is the Trustee of the Fund:

Literary Societies

The ADELPHIC AND PHILOMATHEAN societies for men, and the ALETHENAI, ATHENIAN, ILLIOIA, JAMESONIAN, GREGORIAN, and ANONIAN societies for women.

The Christian Associations

Membership in the Young Men's Christian Association is based on willingness to serve on some one of the eighteen committees. Every man in the University is eligible for membership. The "Y" Hut is open to all students. Newspapers, magazines, books, victrola, checkers, check room, free typewriter, and stationery are at their service. The spacious lounging room makes for pleasant recreation and new friendships. Religious meetings are held on Sunday evening. Bible Discussion Groups are promoted. An extensive community program is conducted. Friendly relations with the large group of foreign students is promoted. Sunday afternoon musical programs as well as many other social gatherings are held in the Hut. An employment bureau managed by the Association endeavors to help students find work.

The Y. W. C. A. is housed in the Hannah McKinley building. Dormitory space is provided for fifty young women. There are parlors on the first floor for use of the women rooming in the house, a large assembly room, pianos, organization rooms, and correspondence tables. A modern dining room is located in the basement. An employment bureau is maintained at the Y. W. C. A. to help University women to find employment.

At the opening of the college year the Associations endeavor to help new students to find desirable rooming and boarding places. A copy of the Students' Handbook, giving information about Urbana and Champaign, the University, and the various college organizations and activities, will be sent free to prospective students. For this handbook or for further information address the general secretary of either Association.

HONORARY SOCIETIES

The honorary societies or fraternities named below are private intercollegiate organizations of students and graduates, having for their primary purpose the recognition and encouragement of excellence in scholarship in various departments of study. Election is in all cases made by the societies themselves in accordance with their own rules. The University assumes no responsibility for elections.

Phi Beta Kappa

Each year a certain number of the ranking students of the senior class in the College of Liberal Arts and Sciences are elected to membership in the Phi Beta Kappa Society. The number is ordinarily limited to one-fifth of the total membership of the graduating class.

The Phi Beta Kappa Prize

Gamma of Illinois chapter of Phi Beta Kappa offers annually a prize of \$25 to that member of Gamma Chapter who at his graduation from the College of Liberal Arts and Sciences gives evidence of greatest promise as a scholar in the domain of liberal arts. The award is based on the following considerations: (a) Class room records; (b) other literary and scholarly activities in the University; (c) an essay, which may be a senior thesis or a term paper. At the discretion of the committee in charge, the award may be withheld if none of the essays appears worthy of the prize. Essays submitted in competition and all correspondence with reference to this prize should be addressed to the Secretary of the Phi Beta Kappa Society, University of Illinois. The committee will not be limited in its award to those who have submitted papers specifically for this purpose or have otherwise given formal notice of candidacy. Special consideration will be given to theses deposited in the College office by candidates for honors in the various departments.

Sigma Xi

Members of the senior class who give "promise of marked ability" in scientific investigations are eligible to membership in the Sigma Xi Society, which was founded to encourage research in pure and applied science.

College Societies

Societies honoring high scholastic standing in the colleges are: Beta Gamma Sigma for men, and Gamma Epsilon Pi for women in the College of Commerce; Phi Delta Kappa, College of Education; Tau Beta Pi, College of Engineering; Alpha Zeta, College of Agriculture; Order of the Coif, College of Law.

Other Honorary and Professional Societies

Alpha Alpha Alpha (Pre-legal); Alpha Chi Sigma (Chemistry); Alpha Kappa Psi (Commerce); Alpha Rho Chi (Architecture); Beta Alpha Psi (Accounting); Chi Epsilon (Civil Engineering); Delta Sigma Pi (Commerce); Delta Sigma Rho (Oratory); Eta Kappa Nu (Electrical Engineering); Farm House (Agriculture); Gamma Alpha (Graduate Scientific); Gamma Pi Alpha (Women's Agricultural); Iota Sigma Pi (Chemistry); Kappa Delta Pi (Education); Keramos (Ceramic Engineering); Lambda Xi (Floriculture); Ma-Wan-Da (Men's Senior Society); Mu Kappa Alpha (Musical); Omega Beta Pi (Pre-medical); Omicron Nu (Home Economics); Mu San (Municipal and Sanitary Engineering); Mortarboard (Women's Senior Society); Phi Alpha Delta (Law); Phi Delta Phi (Law); Phi Lambda Upsilon (Chemistry); Pi Delta Epsilon (Inter-publication); Pi Tau Sigma (Mechanical Engineering); Psi Xi (Psychology); Sachem (Men's Junior Society); Scabbard and Blade (Military); Scarab (Architecture); Sigma Tau (Engineering); Theta Delta Pi (Foreign Trade); Theta Sigma Phi (Journalism); Theta Tau (Engineering); Triangle (Civil Engineering); Tribe of Illini ("I" Men); U. L. A. S. (Landscape Architecture); Woman's Landscape Gardening Association; Sigma Delta Chi (Journalism); Sigma Delta Phi (Women's Public Speaking); Gargoyle (Architecture); Delta Mu Epsilon (Mining); Alpha Sigma Nu (Women's Physical Education); Alpha Tau Alpha (Agriculture); Gamma Pi Upsilon (Chemistry); Delta Theta Epsilon (Coaching).

CLUBS AUXILIARY TO COURSES OF STUDY

In addition to associations and societies of a general character described above, there are in each college a number of societies and clubs devoted to outside work of a literary, scientific, or technical nature auxiliary to the work of various departments of that college. Among these are the following:

In the COLLEGE OF LIBERAL ARTS AND SCIENCES: The Botanical Club, the Celtic Club, *le Cercle Francais*, *el Circulo Espanol*, the Chemical Club, the University of Illinois Section of the American Chemical Society, the English Journal Club, the Geological Journal Club, Hexapæcia, the Mathematical Club, the Philological Club, the Psychology Club, the Romance Journal Club, the Scandinavian Club, the Bryce Club; the German Conversation Club, the Poetry Club, the Freshman Mathematics Club.

In the COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION: The Accountancy Club, the Commercial Club, the Foreign Trade Club, the Junior Chamber of Commerce, *Commercia*.

In the COLLEGE OF ENGINEERING: The Architectural Club, the Student Branch of the American Ceramic Society, the Student Branch of the American Society of Civil Engineers, the Electrical Engineering Society, the Engineering Council, the Student Branch of the American Institute of Mining and Metallurgical Engineers, the Student Branch of the American Society of Mechanical Engineers, the Student Branch of the American Association of Engineers, the Physics Colloquium, the Railway Club, the Urbana Section of the American Institute of Electrical Engineers.

In the COLLEGE OF AGRICULTURE: The Agricultural Club, the Horticultural Club, the Home Economics Club, the Landscape Gardening Club, the Hoof and Horn Club, the Floricultural Club, the Dairy Club, the Agronomy Club, the Agricultural Educational Club, the Student Branch of the American Society of Agricultural Engineers.

In the SCHOOL OF MUSIC: The University Choral Society, the University Military Band, the University Orchestra, the University Women's Glee Club.

In the COLLEGE OF LAW: The Law Club.

FRATERNITIES, SOCIETIES, AND CLUBS

National Fraternities.—Acacia; Alpha Chi Rho; Alpha Chi Sigma; Alpha Delta Phi; Alpha Epsilon Pi; Alpha Gamma Rho; Alpha Kappa Lambda; Alpha Phi Alpha; Alpha Rho Chi; Alpha Sigma Phi; Alpha Tau Omega; Beta Delta Sigma; Beta Theta Pi; Chi

Phi; Chi Psi; Cosmopolitan; Delta Kappa Epsilon; Delta Phi; Delta Sigma Phi; Delta Tau Delta; Delta Upsilon; Farm House; Gamma Eta Gamma; Gamma Pi Upsilon; Kappa Alpha Psi; Kappa Delta Rho; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Delta Phi; Phi Epsilon Pi; Phi Gamma Delta; Phi Kappa; Phi Kappa Psi; Phi Kappa Sigma; Phi Kappa Tau; Phi Sigma Kappa; Pi Kappa Alpha; Pi Kappa Phi; Psi Upsilon; Sigma Alpha Epsilon; Sigma Alpha Mu; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Sigma Phi Sigma; Sigma Pi; Tau Kappa Epsilon; Theta Alpha; Theta Chi; Theta Delta Chi; Triangle; Zeta Beta Tau; Zeta Psi.

Sororities.—Alpha Chi Omega; Alpha Delta Pi; Alpha Epsilon Phi; Alpha Gamma Delta; Alpha Omicron Pi; Alpha Phi; Alpha Xi Delta; Chi Omega; Delta Delta Delta; Delta Gamma; Delta Zeta; Gamma Phi Beta; Kappa Alpha Theta; Kappa Kappa Gamma; Phi Mu; Phi Omega Pi; Pi Beta Phi; Sigma Kappa; Theta Phi Alpha; Theta Upsilon; Zeta Tau Alpha.

Local Fraternities.—Alpha Epsilon; Anubis; Beta Lambda; Chi Beta; Concordia; Delta Phi Omega; Gamma Beta; Ilus; Iota Phi Theta; Phi Lambda Pi; Sigma Tau Delta; Tau Delta Tau; Zeus.

Local Sororities.—Beta Phi Epsilon; Bethany House; Congregational House; Delta Nu; Pi Delta Phi; Rho Beta Iota; Sigma Psi; Tau Alpha Theta.

Interfraternity Organizations.—Men's Pan Hellenic Council; Girls' Pan Hellenic Association; Skull and Crescent; Ku Klux Klan; Shi-Ai.

OTHER ORGANIZATIONS

Animal Ecology Club; Bahai Group; Chinese Students' Club; Cosmopolitan Club (Men's); Cosmopolitan Club (Women's); Japanese Students' Club; Latin American Club; Mask and Bauble (dramatic); Pierrots (vaudeville); Scribbler's Club; Menorah; Illinois Union; Woman's League; Daubers; American Legion; Board of Oratory and Debate; Order of Builders; Chess & Checkers Club; Daughters of the American Revolution; Sons of the American Revolution; DeMolay; Faculty Players Club; Glee & Mandolin Club; Heimskringla; Hoosier Illini Club; Kansas City Illini Club; Joliet Illini Club; Elgin Illini Club; Oak Park Illini Club; Klotho; Hindustani Ass'n of America; Russian Illini Club; Phillipine Illini Club; Quincy Illini Club; Midiron Club; Newman Club; Pennsylvania Illini Club; Scalp and Blade; Sherwood League; Sparta Illini Club; Springfield Illini Club; Square and Compass.

UNDERGRADUATE SCHOLARSHIPS

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University.)

Unless otherwise stated, a scholarship covers matriculation and incidental fees in any department of the University.

County Scholarships.—One for each county. The holder is selected by competitive examination.

General Assembly Scholarships.—One nomination annually by each member of the General Assembly.

Scholarships in Ceramic Engineering.—One scholarship to each county in the State, awarded on the nomination of the Illinois Clay Workers' Association.

Scholarships in Agriculture and Home Economics.—One to each county in the State, except Cook and Lake, and one to each of the first ten congressional districts, for students preparing for the study of agriculture in the College of Agriculture; and one for students preparing for the study of home economics in the College of Liberal Arts and Sciences or in the College of Agriculture. Scholarships in the College of Agriculture are also provided for unclassified students twenty-one years of age.

Thomas J. Smith Scholarships in Music.—Four scholarships annually for women, preferably from Champaign County.

State Military Scholarships.—For World War Veterans. Special provision passed by the General Assembly of 1919.

Ben-Hur Scholarships.—Awarded by competition to members of the order. The stipend is five hundred dollars a year.

John M. Gregory and Louisa C. Gregory Scholarships.—The annual stipend is one hundred dollars.

Other Scholarships.—See under College of Law, Summer Session, and Graduate School.

BENEFICIARY AID

(For more detailed information apply to the Dean of Men.)

The following loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University.

Edward Snyder Department of Students' Aid
Class of 1895 Fund
Graduate Club Loan Fund
Woman's League Loan Fund
William B. McKinley Loan Fund
Henry Strong Loan Fund
Margaret Lange James Loan Fund
Woman's Pharmacy Loan Fund (available for men as well as women)
Library School Fund
First Fund for Overseas Soldiers
Dora E. Biddle Loan Fund
James R. Morris Loan Fund

FEES AND EXPENSES

GENERAL FEES

All University fees are payable each semester in advance.

Colleges of Liberal Arts and Sciences, Commerce and Business Administration,
Engineering, Agriculture, and Law, School of Music, and Library School

<i>Matriculation Fees.</i> Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of . .	\$10.00
<i>Incidental Fee.</i> All students in departments at Urbana other than the College of Law, residents of Illinois, excepting those holding scholarships, pay, each semester, an incidental fee of	25.00
All students in departments at Urbana other than the College of Law, not residents of Illinois, pay, each semester, an incidental fee of	37.50
All students in the College of Law, residents of Illinois, excepting those holding scholarships, pay, each semester, an incidental fee of	37.50
All students in the College of Law, not residents of Illinois, pay, each semester, an incidental fee of	56.25
<i>Tuition Fee.</i> Students conditioned on entrance requirements, and unclassified students (except unclassified students in agriculture or home economics holding scholarships), pay, each semester, a tuition fee of	7.50
<i>Laboratory Fees.</i> Each student working in laboratories, or in the drafting or engineering classes, is required to pay a fee varying from \$0.50 to \$12.50, to cover materials and apparatus used and breakages or damages.	
<i>Uniform Deposits.</i> Students taking military are required to make a deposit of \$15.00 for uniform and equipment. This deposit is refunded to the student when his uniform and equipment are returned.	
<i>Listener's Fee.</i> Persons not connected with the University who attend classes as listeners, pay for each course, each semester.	7.50
<i>Late Registration Fee.</i> A former student who enters after the Registration Days in either semester must pay a late registration fee of	1.00
<i>Change Fee.</i> For every change of study-list made later than the Saturday following registration a fee of \$1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed \$2.00.	1.00
<i>Special Examination Fee.</i> For any special examination, except examinations for advanced standing taken within sixty days after matriculation, the fee is . .	5.00
<i>Diploma Fee.</i>	10.00

School of Music

Special Fees

In addition to the above general fees students registering in courses in applied music (voice, piano, violin, violoncello, organ, or band instruments) pay special fees as follows (per semester):

1. If enrolled in the School of Music or in the curriculum in music education in the College of Education	\$25.00
2. If enrolled in another College of the University	
For each lesson per week of collegiate grade	25.00
For each lesson per week of introductory grade	10.00

Practise Fees

Piano for practise one hour a day each semester.	\$ 3.00
Additional hours at the same rate.	
Organ for practise one hour a day for one semester (beginners).	20.00
For one-half semester	10.00
Organ for practise one hour a day for one semester (advanced students).	25.00
For one-half semester	15.00
For one-quarter semester	8.00

College of Medicine

	First Year students from		Second Year students from		Third Year students from		Fourth Year students from	
	Illinois	Non-Illinois	Illinois	Non-Illinois	Illinois	Non-Illinois	Illinois	Non-Illinois
Matriculation (paid but once) \$	10.00	10.00						
Tuition	130.00	165.00	130.00	165.00	160.00	195.00	165.00	200.00
Laboratory	35.00	35.00	35.00	35.00	5.00	5.00	.....	.....
Total	\$175.00	\$210.00	\$165.00	\$200.00	\$165.00	\$200.00	\$165.00	\$200.00

NOTE.—County Hospital ticket, \$5.00. Maternity Fee, Chicago Lying-in Hospital, \$15.00. All students taking gross anatomy are required to make a deposit of \$10.00 for the use of a disarticulated skeleton.

Fees charged unclassified students are based on the amount of work taken.

College of Dentistry

	First Year students from		Second Year students from		Third Year students from		Fourth Year students from	
	Illinois	Non-Illinois	Illinois	Non-Illinois	Illinois	Non-Illinois	Illinois	Non-Illinois
Matriculation (paid but once) \$	10.00	10.00						
Tuition	125.00	155.00	125.00	155.00	125.00	155.00	125.00	155.00
Laboratory	35.00	35.00	40.00	40.00	55.00	55.00	60.00	60.00
Total	\$170.00	\$200.00	\$165.00	\$195.00	\$180.00	\$210.00	\$185.00	\$215.00

NOTE.—Students taking gross anatomy are required to make a deposit of \$5.00 for a disarticulated skeleton. Students practising in the infirmary are required to make a deposit of \$5.00 for an electric engine and \$1.00 for a gown.

School of Pharmacy

	Each Year students from	
	Illinois	Non-Illinois
Tuition	\$95.00	\$120.00
Laboratory fee	30.00	30.00
Total	\$125.00	\$150.00

NOTE.—A matriculation fee of \$10.00 is required of students who are entering the University for the first time.

A laboratory deposit of \$15.00 each year is required to cover breakage or damage to apparatus furnished by the University. From this deposit will be deducted the charges for apparatus broken, missing or not returnable, and the locker fee of \$1.00 if the student uses a locker in the coatroom.

AVERAGE ANNUAL EXPENSES

The following are estimated average annual expenses for undergraduate students attending at Urbana, *exclusive* of clothing, railroad fare, and laboratory fees, if any. This includes only the immediate and fundamentally necessary expenses.

Books and Equipment	\$ 25.00 to \$ 75.00
Fees ¹	50.00 to 75.00
Room rent for one (two in a room)	81.00 to 150.00
Single rooms	108.00 to 180.00
Board at Clubs, etc.	260.00 to 360.00
Washing	30.00 to 45.00
Total	\$554.00 to \$885.00

Other necessary expenses will need to be taken into consideration. For all the necessary expenses of the year the average student is likely to need not less than \$600.00 to \$800.00. Most students spend more than this amount.

For information in regard to scholarships which cover the matriculation and incidental fee, see page 90.

¹Students of law, music, unclassified students, and conditioned students must make needed changes in the amount given for "semester fees."

WOMEN'S RESIDENCE HALLS

The University operates three residence halls for women, The Woman's Residence Hall, The Woman's Residence Hall Annex, and the Davenport Residence Hall. Only residents of Illinois can be accommodated.

Women students and their parents are invited to correspond with the Dean of Women in regard to other suitable places.

The Woman's Residence Hall has accommodations for ninety-eight women students. A flat rate is charged per year of thirty-eight weeks for room, laundry of sheets and pillow cases, and board in the Residence Hall as follows:

Single room	\$432.00
Double room, each occupant	414.00
Double room, each occupant	\$360.00, \$396.00, and \$414.00
Double room (fourth floor), each occupant	378.00
Double room with private bath (two available), each occupant	432.00

The Woman's Residence Hall Annex and the Davenport Residence Hall accommodate respectively fifteen and twenty-six. The rooms accommodate from two to four students and the price varies from \$360.00 to \$396.00 for each occupant.

Half the amount must be paid to the Bursar before the close of the registration period at the opening of the first semester, and the balance before the close of the registration period at the opening of the second semester.

Applications for rooms will be received by the Bursar after April 1 for the following college year. Applications are registered in the order of their receipt, but no application will be registered unless accompanied by a deposit of ten dollars, which will be credited on the payment for the second semester. After May 1 rooms are assigned in the order of application, the women living in the hall having preference. After all the rooms have been assigned the names of those who are unsuccessful will be put on a waiting list if the deposit has not been withdrawn, and as vacancies occur, assignments will be made to them in order.

Application cards and further information may be secured by writing to the Dean of Women.



PART II

THE COLLEGES AND SCHOOLS

THE COLLEGE OF LIBERAL ARTS AND SCIENCES

For a description of the *buildings* used by this College, see page 47; for *museums* and *collections* belonging to it (classical art and archeology, oriental, European culture, botany, entomology, geology, and zoology), see pages 55-57; for a summary of its *courses* see page 59; for *clubs and societies* auxiliary to its curricula see page 88; for *fees* see page 91.

GENERAL STATEMENT

The College of Liberal Arts and Sciences, offers to its students a liberal education including both the humanities and the sciences; it furnishes preparatory to later professional and technical studies especially arranged curricula by which good students may ordinarily obtain in six years both the degree in arts and a professional degree in law or medicine, or a technical degree in engineering; and it provides certain highly specialized curricula in applied science (particularly chemistry), journalism, and home economics. The degree of Bachelor of Arts is conferred on the completion of all these curricula, except those in applied science for which the degree of Bachelor of Science is given.

Under the modified elective system a student who desires to prepare for teaching may specialize to a considerable extent in the subject which he wishes to teach and may also find time for courses in education and related subjects of interest to teachers. Such students should, as a rule, continue their preparation in the Graduate School.

Students who desire to devote a considerable part of their undergraduate study to specific preparation for some calling other than teaching may select courses in law, medicine, dentistry, journalism, applied chemistry, or household administration, in accordance with curricula given in detail in the following pages.

ADMISSION

See the statement of the entrance requirements of the University, pages 62-77.

Unclassified Students

For a statement of the regulations of the University in regard to unclassified students, see page 67.

It is the policy of this College to admit as unclassified students only a select group of mature and serious persons who, tho unable to meet the formal requirements for entrance, are substantially prepared for work of college grade and have a specific and clearly defined purpose in their study.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

A. *University Requirements*.—Each candidate must meet the general university requirements with respect to registration and residence, and must also secure credit in approved courses amounting to one hundred thirty hours, an hour being one class period a week for one semester. Each class period presupposes two hours of preparation by the student, or the equivalent in the laboratory or drawing room.

B. *Prescribed Subjects*.—Rhetoric 1-2; Physical Education 1-2 and Hygiene 1 for men; Physical Education 7a-7b, 8a-8b, and Hygiene 2 for women; Military Science, a total of 4 hours for men.

C. *Group Requirements*.—Every candidate must offer the minimum of work specified in each of the following groups:

I. *English*.—The offering in this group must include at least a one-semester course in literature.

II. *Foreign Languages and Literatures* (exclusive of courses in translation).

If a student has received credit for but two units of a foreign language for entrance to the University, he must pursue the study of foreign language through two year courses or the equivalent. If he has received credit upon entrance for three or more units of foreign language, he must continue the study of foreign language through one year of his college course.

NOTE.—Candidates for the degree who have not offered Greek or Latin or French or German for entrance must offer one of these languages for graduation.

III. *History, Political and Social Science*.—History, economics, political science, sociology: 8 hours.

IV. *Mathematics and Physical Science*.—Mathematics, astronomy (courses with college mathematics as prerequisites), physics, chemistry: a minimum of 5 hours, with a minimum total of 15 hours in Groups IV and V.

NOTE.—Not fewer than 4 laboratory hours a week for one semester, or the equivalent, shall be offered in some one department.

V. Botany, bacteriology, entomology, geology, physiology, zoology: a minimum of 5 hours, with a minimum total of 15 hours in Groups IV and V. See note under IV.

VI. Education, philosophy, psychology: 6 hours, of which 3 shall be in philosophy or psychology.

D. *Major Subjects*.—Each candidate must select some subject as his major. A major consists of courses amounting to 20 hours chosen from among those designated by a department and approved by the faculty of the college. Such courses are to be exclusive of those elementary or beginning courses which are open to freshmen, and inclusive of some distinctly advanced work. At least five hours of the work accepted for major must have been done in residence at this University and included within the maximum credits allowed in any one division. See the statements regarding majors under departmental announcements in Part III.

The subjects at present recognized as majors in this college are: English, French, German, Greek, Latin, Spanish, classics, Romance language, mathematics, astronomy, physics, chemistry, bacteriology, botany, entomology, geology, physiology, zoology, home economics, education, economics, history, political sciences, sociology, philosophy, psychology.

E. *Minor Subjects*.—Each candidate must offer, in addition to his major, a minor of 20 hours in one or more allied subjects designated by the major department and approved by the faculty of the college. *At least 8 hours must be offered in one subject.* See the statements regarding minors under departmental announcements in Part III.

F. *Elective Subjects*.—

1. Not more than 40 hours in any one subject may be counted for graduation, except: (a) in special curricula approved by the faculty of the college; (b) when a student is writing a thesis, he may count, in addition to the 40 hours, the hours of the course in which he does his thesis work; (c) in the department of English a student may take 40 hours in addition to Rhetoric 1-2.

NOTE.—The total credit in Art and Design is limited to 20 hours.

2. No credit is granted in any subject unless the student pursues it for the full time required in the shortest course offered in that subject. For example, if the student elects a course which yields two hours for one semester, he must stay in the class during the semester in order to get any credit at all. *In order to secure any credit in a beginning course in a foreign language, a full year's work must be completed.*

3. A limited amount of credit toward the degree of Bachelor of Arts is ordinarily given for courses offered in other colleges and schools of this University, as follows:

Electives in other Colleges and Schools

College of Agriculture.—

Agronomy 9 (Soil Physics), 11 (Soil Biology), 12 (Soil Fertility), 22 (Plant Breeding).
Animal Husbandry 7 and 31 (Animal Nutrition), 30 (Genetics).

Dairy Husbandry 10 (General Dairy Bacteriology); 20 (Economic Problems of Dairy Farming).

Horticulture 9 (Forestry), 36 (History of Landscape Gardening), 37a (City Planning), 42 (Landscape Design).

The total credit allowed in agricultural courses may not exceed 14 hours, except that students taking their major work in entomology may take 20 hours in the preceding agricultural courses with the addition of Agronomy 7 and 25, and Horticulture 1a, 1b, 2, 3, 6, and 7.

College of Commerce and Business Administration.—

Accountancy 1a-1b (Principles of Accounting), 12a-12b (Government Accounting).

Business Organization 1 (Business Organization), 9 (Commercial and Civil Organizations); 10 (Newspaper Advertising).

Business Law 1a-1b (Commercial Law—no credit given to students in the combined arts-law curriculum).

Economics, all courses.

Transportation 1 (U. S. Transportation System), 2 (Transportation Policy).

College of Education.—

All courses in the department of Education (exclusive of courses in Educational Practice and course 1-7 in Industrial Education).

College of Engineering.—

Architecture 13, 14, 15, 16 (History of Architecture), 31, 32, (Architectural Drawing).
Civil Engineering 27 and 28 (Surveying), 94 (Highway Administration).

Drawing, General Engineering, 1 (Elements of Drafting), 2 (Descriptive Geometry).

Electrical Engineering 4 and 64 or 8 and 68.

Mechanical Engineering, 10, 13 (Thermodynamics), 31 (Mechanics of Machinery).

Mining Engineering 19 (Ore and Coal Preparation); 21 (Mining Examination and Valuation).

Mechanics, Theoretical and Applied, all courses.

The total credit allowed in engineering courses may not exceed 24 hours.

College of Law.—

A student in the College of Liberal Arts and Sciences, who earns at least 30 hours in this college, may take and count towards the A.B., degree not to exceed 30 hours of work in the College of Law, provided that at least two courses amounting to five hours are taken per semester, under the advice of the Dean of the College of Law as to the courses to be taken. *Courses in law may not be taken before the junior year by students enrolled in this college.*

Law 14 (Carriers), 24 (Municipal Corporations), and 34 (Public Utilities) are open to students of this college offering political science or economics as a major subject who have had a previous course in law or political science involving the study of cases.

Library School.—

Library Science 2a-2b or 12 (Reference), 7 (History of Libraries), 9 (Book-making), 13a and 42 (Public Documents).

School of Music.—

The total credit allowed for courses in music may not exceed 16 hours. At least half the credit must be taken in courses in the history and theory of music (1-16 inclusive). Credit may be allowed in practical music for courses *preceded by Music 3 and 4* and exclusive of courses open to freshmen to an amount not to exceed half of the total allowed any student. No credit will be allowed for courses in public school music.

Physical Education and Hygiene.—

Not to exceed 5 semester hours for men and 8 semester hours for women.

Military Science and Tactics.—

Military Science not to exceed 8 semester hours.

F. *Bachelors' Theses*: A bachelor's thesis is not generally required in this College. Students of high standing, especially those who try for the A.B. degree with High Honors, are encouraged to write theses in connection with their major studies. Credit toward the degree is given for thesis work only as part of the work in some course for which the student is registered.

G. *Optional degree of Bachelor of Science*: Students who do major work in one of the subjects in Group IV or Group V or in Home Economics, and who have credit for 60 semester hours or more in these groups or in Home Economics, *on recommendation of the faculty of this College*, may be graduated with the degree of B.S., instead of A.B. Such recommendation must be secured by a petition presented *not later than 10 days after the opening of the last semester or Summer Session preceding the granting of the degree*.

JOURNALISM

Students who are preparing for reportorial, literary, or editorial work in journalism should take their major work in English, or in journalism, and make up their study schedules from the following suggested curriculum. With the consent of the adviser, other studies may, for purposes of specialization, be substituted for those suggested. A program which satisfies the group and major requirements may, for instance, be so modified in the third and fourth years as to lay emphasis on any one of the social sciences.

Students in journalism for the degree of bachelor of arts are subject to the requirements in Liberal Arts and Sciences.

Suggested Curriculum in Journalism

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>	
Rhet. 1—Rhetoric and Themes	Hours ¹ 3	Rhet. 2—Rhetoric and Themes	Hours ¹ 3
Phys. Ed. 12—Gymnasium and Hygiene	1	Phys. Ed. 2—Gymnasium	1
Military—Practical Instruction	$\frac{1}{2}$	Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$	Military—Theoretical Instruction	$\frac{1}{2}$
Total	5	Total	5
<i>Suggested Electives</i>		<i>Suggested Electives</i>	
Engl. 10—Introduction to Literature	3	Engl. 11—Introduction to Literature	3
Science	5	Science	5
Foreign language	4	Foreign language	4
Hist. 1a—Continental European History	4	Hist. 1b—Continental European History	4
Lib. Sci. 12—General Reference	2		

SECOND YEAR

<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>	
Military—Practical Instruction	$\frac{1}{2}$	Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$	Military—Theoretical Instruction	$\frac{1}{2}$
Phys. Ed. 8a—Practise (for Women)	1	Phys. Ed. 8b—Practise (for Women)	1
<i>Suggested Electives</i>		<i>Suggested Electives</i>	
Engl. 1—Survey of English Literature	4	Engl. 1—Survey of English Literature	4
Science	5	Econ. 3—Money and Banking	3
Engl. 12—American Literature	2	Engl. 23—Shakespeare; or English 13; American Literature	3 or 4
Foreign language continued	4	Foreign language continued	4
Hist. 3a—History of the United States	3	Hist. 3b—History of United States	3
Pol. Sci. 1—American National Government	3	Journalism 2—The Newspaper	3
Econ. 1—Principles of Economics	3	Pol. Sci. 3—State and Local Government	3
Journalism 1—Collecting and Writing of News	3		

¹Semester hours. For definition, see page 209.

²Young women who elect this curriculum will take Physical Education 7a-7b, 8a-8b, and Hygiene 1, in place of these subjects.

THIRD AND FOURTH YEARS

Study lists for these years should be arranged from the following list with regard to proper sequence.

	Hours ¹		Hours ¹
Economics		Economics	
4—Financial History of U. S.	3	12b—Labor Problems	3
12a—Labor Problems	3	13—Economic History of Europe	3
English		English	
27—History of Journalism	2	3—Milton	3
21—Literary History of the Bible	3	5—Shakespeare	3
45—Development of the Modern Drama	3	24—Victorian Period	3
History		28—Magazine in America	2
21—The United States since 1877	3	52—Novelists of 19th Century	3
26—History of Latin-American Colonies ..	3	History	
Journalism		17—History of Illinois	2
3—Copy-reading and Head-writing	2	27—Latin-America	3
5—Problems of Reporting	2	29—Far East	3
7—Making a Country Newspaper	2	Journalism	
9—Editorials and Special Articles	3	4—Make-Up and Editorial Practise	2
Language		6—Newspaper Policies	2
4		10—Editorials and Special Articles	3
Philosophy		32—Law of the Press	2
1—Logic	3	Language	
9—Political and Social Ethics	3	4	
7—Ethics	3	Philosophy	
Political Science		2—Introduction to Philosophy	3
5—Constitutional Law	3	Political Science	
4—Municipal Constitution	3	12—National Administration in U. S.	3
6—International Law	3	14—Political Parties and Methods	2
Psychology		34—Municipal Problems	3
1—Introduction to Psychology	4	Psychology	
Rhetoric		2—General Psychology	4
6—Short Story Writing	3	Rhetoric	
Sociology		7—Short Story Writing	3
1—Principles of Sociology	3	17—Advanced Composition	3
		Sociology	
		9—Criminology	3

HOME ECONOMICS

The courses of instruction given in the Department of Home Economics are planned to meet the needs of four classes of students: (a) those who desire a knowledge of the general principles and facts of home economics; (b) those who wish to make a specialty of home economics for the purpose of teaching the subject in secondary schools and colleges; (c) those who wish a knowledge of the principles underlying household administration and institutional management; (d) those who are interested in work in nutrition and dietetics.

Students who hold *scholarships in home economics* must make this subject their major along one of the lines indicated and take each semester at least four hours in home economics or in subjects required for admission to courses in home economics.

Students whose major is home economics must also satisfy the requirements for the degree of bachelor of arts in the College of Liberal Arts and Sciences in so far as these are not covered in the suggested curricula given below.

Suggested Curriculum in General Home Economics

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹		Hours ¹		Hours ¹
A and D. 1—Freehand Drawing	3	Home Econ. 7—Textiles	3		
Chem. 1 or 1a—Inorganic Chemistry	5 or 3	Chem. 2a—Qualitative Analysis	5		
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3		
Foreign Language	4	Foreign Language	4		
Phys. Ed. 7a—Practise	1	Phys. Ed. 7b—Practise	1		
Hygiene 2—Hygiene (Women)	1				
Total	17 or 15	Total	16		

¹Semester hours. For definition, see page 209.

SECOND YEAR			
Engl. 1 or Foreign Language	4	Engl. 2 or Foreign Language	4
Home Econ. 1—Selection and Preparation of Food	3	Home Econ. 6—Economic Uses of Food	4
Physiol. 1—General Physiology	2	Physiol. 4—Physiology of Digestion	3
Home Econ. 29—Clothing	3	Chem. 9, 9c—Organic Chemistry	5
A. and D. 12—Applied Design	2	Phys. Ed. 8b—Practise	1
Phys. Ed. 8a—Practise	1		
Total	15	Total	17

THIRD YEAR			
Engl. 1—(if not included in 2nd yr.)	4	Engl. 2—(if not included in 2nd yr.)	4
Econ. 1 or 2—Principles of Economics	5 or 3	Home Econ. 10—Home Management	3
Home Econ. 5—Dietetics	4	Bact. 5a, 5b—Introductory Bacteriology	5
Home Econ. 2—Home Architecture	3	Sociol.—Principles of Sociology	3

FOURTH YEAR

During the third and fourth years, students will complete the group requirements for the degree of bachelor of arts in the College of Liberal Arts and Science. Electives will be chosen in accordance with the interests of the student from options 1, 2 and 3.

1. Students interested in nutrition and dietetics should include in their curriculum Chemistry 5a, Home Economics 4, 39a, 39b, and one or more of the following courses: Home Economics 20, 33, 41.
2. Students interested in textiles, clothing and household art, should include Home Economics 3, 19, 30, 31.
3. Students interested in economics, in household or institutional management, should include Home Economics 14, 18, 28, and additional courses in economics.

Suggested Curriculum in Nutrition and Dietetics

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ²				Hours ²
Chem. 1 or 1a—Inorganic Chemistry	5 or 3	Chem. 2a—Qualitative Analysis	5		
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3		
French or German	4	French or German	4		
Hygiene 2—Hygiene (Women)	1	Physiol. 1—General Physiology	2		
Phys. Ed. 7a—Practise	1	Phys. Ed. 7b—Practise	1		
Total	14 or 12	Total	15		
<i>Elective</i>					
A. and D. 1—Freehand Drawing or Botany					
1 General Botany	3 or 5				

SECOND YEAR			
Engl. 1, French or German	4	Engl. 2, French or German	4
Home Econ. 1—Selection and Preparation of Food	3	Home Econ. 6—Economic Uses of Food	4
Physiol. 4—Physiology of Digestion	3	Chem. 9, 9c—Organic Chemistry	5
Zool. 1—General Zoology	5	Econ. 2—Principles of Economics	3
Phys. Ed. 8a—Practise	1	Phys. Ed. 8b—Practise	1
Total	16	Total	17

THIRD YEAR			
Engl. 1 (if not included in 2nd year)	4	Engl. 2 (if not included in 2nd year)	4
Chem. 5a—Elementary Quantitative Analysis	5	Bact. 5, 5a—Introductory Bacteriology	5
Home Econ. 5—Dietetics	4	Sociol. 1—Principles of Sociology	3
Total	13	Total	12
Electives	3 or 4	Electives	3 or 5

FOURTH YEAR			
Home Econ. 39a—Seminar	1	Home Econ. 39b—Seminar	1
Home Econ. 4—Food and Nutrition	5	Electives	15 or 16
Electives	10 or 11		

Suggested Curriculum in Economic Entomology

For students wishing to prepare for state or national service in economic entomology or as teachers of entomology in agricultural colleges or universities, the following curriculum has been arranged to include the entomological, agricultural, and horticultural courses most essential to the end in view, together with the required subjects and the group electives necessary for the degree of Bachelor of Arts.

The principal features of the prescribed part of this curriculum are 25 hours of entomology, 15 hours of other biological subjects, 17 hours of agriculture and horticulture,

¹Students expecting to enter the College of Education are advised to register for Psychology 1 instead of Home Economics 29 the second year.

²Semester hours. For definition, see page 209.

10 hours of chemistry, and 46 hours of courses required for graduation, group electives, and other miscellaneous courses. Seventeen hours of free electives remain after the courses of this prescribed list are provided for.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3		
French 1a ² —Elementary French, or German		French 1b ² —Elementary French, or German			
1—Elementary German	4	3—Narrative Prose	4		
Ent. 1—Introductory Entomology	3	Ent. 2—General Entomology	3		
Bot. 1—General Botany	5	Zool. 1—General Zoology	5		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or		Mil. 2a and 2b, 12a and 12b, 22a and 22b, or			
51a and 51b—Military Drill and Theory .	1	52a and 52b—Military Drill and Theory .	1		
Phys. Ed. 1—Gymnasium Practise	1½	Phys. Ed. 2—Gymnasium Practise	1		
Hyg. 1—Hygiene (Men)	1½				
Total	17	Total	17		
SECOND YEAR					
Engl. 20—Chief English Writers of the Nine-	4	Ent. 8b—Pests of Special Groups	3		
teenth Century		Agron. 25—Farm Crops	4		
Ent. 8a—Pests of Special Groups	3	Ag. Ext. 3—Agricultural Extension Teachings	1		
Hort. 1a—Elements of Horticulture	2	Hort. 1b—Elements of Horticulture	2		
Lib. Sci. 12—General Reference	2	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or			
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or		54a and 54b—Military Drill and Theory .	1		
53a and 53b—Military Drill and Theory .	1	Total	11		
Total	12				
<i>Electives Recommended</i>		<i>Electives Recommended</i>			
German 4 ² —Prose Reading	4	Ent. 22—Entomotaxy	5		
Zool. 16—Economic Ornithology	2	German 6 ² —Scientific German	4		
Bot. 4d—Trees and Shrubs of the Campus ..	2	Ent. 16—Apiculture	2		
Geol. 14—Weather and Climate	3	Zool. 4—Invertebrate Morphology	3		
Pub. Sp. 1—Oral Expression	2	Pub. Sp. 2—Extemporaneous Speaking	2		
THIRD YEAR					
Hist. 3a—History of the United States	3	Hist. 3b—History of the United States	3		
Psych. 1—Introduction to Psychology	3	Econ. 2—Principles of Economics	3		
Chem. 1 or 1a—Inorganic Chemistry	5 or 4	Chem. 2a—Inorganic Chemistry and Qualita-			
Ent. 7a—Insect Morphology	3	tive Analysis	5		
Total	15 or 13	Ent. 7b—Insect Morphology	3		
<i>Electives Recommended</i>		<i>Electives Recommended</i>			
Pol. Sci. 1—American National Government	3	Pol. Sci. 3—State and Local Government ...	3		
Econ. 1—Principles of Economics	5	Hist. 17—The History of Illinois	2		
Bot. 23—Plant Ecology	3	Zool. 9—Animal Ecology	3		
Photog. 1—The Principles and Practise of Pho-		Photog. 2—The Principles and Practise of			
tography	0	Photography	0		
Ent. 14—Medical and Veterinary Entomology	4				
Phys. 4—General Physiology, Chemical and					
Experimental	5				
FOURTH YEAR					
Bot. 7a—Plant Pathology	5	Philos. 1—Logic	3		
Chem. 8—Elementary Quantitative Analy-		Hort. 7—Spraying	3		
sis	5	Agron. 12—Soil Fertility, Fertilizers, and Ro-			
Ent. 10a—Taxonomy of Immature Insects ..	3	tations	5		
Total	13	Total	11		
<i>Electives Recommended</i>		<i>Electives Recommended</i>			
Ent. 20—Insect Control	4	Ent. 10b—Taxonomy of Immature Insects ..	3		
Ent. 6a—Thesis Investigation	5	Ent. 6b—Thesis Investigation	5		
Zool. 11—Experimental Ecology and Geog-		Zool. 5—Heredity and Evolution	2		
raphy	2 or 4	Math. 23—Averages, etc.	3		
Bact. 5—Introductory Bacteriology	5	Philos. 9—Political and Social Ethics	3		
Math. 2—College Algebra	3				

¹Semester hours. For definition see page 209.

²If the student has offered two units of French for entrance and has elected German 1 and German 2 or 3 in his freshman year, he should elect a second year of German at this time.

Suggested Pre-Medical Curriculum

The requirements for admission to the College of Medicine are stated on page 69.

The following suggested two-year curriculum covers the entrance requirement of the College of Medicine and includes additional courses in science which it is considered desirable for those who are planning to study medicine to take.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1 or 1a—General Chemistry	5 or 3	Chem. 2a—Inorganic Chemistry	5
Math. 4—Trigonometry	2	Zool. 2—Vertebrate Zoology	5
Zool. 1—General Zoology	5	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1
Phys. Ed. 1—Gymnasium	1½	Military—Practical Instruction	½
Hygiene 1	½	Military—Theoretical Instruction	½
Military—Practical Instruction	½		
Military—Theoretical Instruction	½		
Total	17 or 15	Total	15

SECOND YEAR

	Hours ¹		Hours ¹
Chem. 5a—Quantitative Analysis	5	Chem. 9, 9c—Organic Chemistry	5
French or German	4	French or German	4
Physics 7a—General Physics	2½	Physics 7b—General Physics	2½
Physics 8a—Laboratory	2½	Physics 8b—Laboratory	2½
Zool. 3—Microscopical Technics	3	Zool. 6—Vertebrate Organogeny	3
Military—Practical Instruction	½	Military—Practical Instruction	½
Military—Theoretical Instruction	½	Military—Theoretical Instruction	½
Total	18	Total	18

CURRICULA IN CHEMISTRY AND CHEMICAL ENGINEERING

Students who follow the general curriculum in the College of Liberal Arts and Sciences with Chemistry as a major subject are eligible for the degree of Bachelor of Arts.

For the more specialized training of the chemist, the following curricula, largely prescribed, have been arranged. Each requires a maximum total of 136 hours and leads to the degree of Bachelor of Science.

Attention is called to the fact that the schedules for the first and second years in both chemistry and chemical engineering are the same.

Preliminary preparation in German or French equivalent to two years of high school work or one year of university work is prescribed. The total language requirements for graduation including courses offered for entrance must be equivalent to two years of University German or French. Students are advised to offer one unit in physics as a part of the general electives.

Students registering either in the curriculum in chemistry or in the curriculum in chemical engineering must offer 1 unit of high school chemistry and ½ unit of advanced algebra for admission to these curricula. University credit in Chemistry 1 (five hours) is acceptable in lieu of one unit of entrance chemistry.

FIRST YEAR, BOTH CURRICULA

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1a—Inorganic Chemistry	3	Chem. 3a—Inorganic Chemistry and Qualitative Analysis	5
Math. 2—College Algebra	3	Math. 8b—Integral Calculus	2
Math. 4—Plane Trigonometry	2	Phys. 1b—General Physics	2
German or French	4	Phys. 3b—Physical Measurements	2
Rhet. 1—Rhetoric and Themes	3	Engr. 20 ¹ or Hist. 3b or Geol. 20 ¹ or T. and A.	3 or 4
Phys. Ed. 1—Gymnasium	1½	Mf. 20 ¹	3 or 4
Hyg.—Hygiene (Men)	½	Military—Practical Instruction	½
Military—Practical Instruction	½	Military—Theoretical Instruction	½
Military—Theoretical Instruction	½		
Total	17	Total	18

SECOND YEAR, BOTH CURRICULA

	Hours ¹		Hours ¹
Chem. 5a—Quantitative Analysis	5	Chem. 5b—Advanced Analytical Chemistry	5
Math. 5a—Differential Calculus	3	Math. 8b—Integral Calculus	2
Phys. 1a—General Physics	3	Phys. 1b—General Physics	2
Phys. 3a—Physical Measurements	2	Phys. 3b—Physical Measurements	2
Geol. 20 ¹ —General Mineralogy or Hist. 3a or English 20	3 or 4	Engr. 20 ¹ or Hist. 3b or Geol. 20 ¹ or T. and A.	3 or 4
Military—Practical Instruction	½	Mf. 20 ¹	3 or 4
Military—Theoretical Instruction	½	Military—Practical Instruction	½
		Military—Theoretical Instruction	½
Total	17 or 18	Total	16 or 17

¹Semester hours. For definition, see page 209.

²Geology 20 must be taken either in the first or second semester.

³T. and A. Mf. 20 required for curriculum for Chemical Engineers.

Curriculum in Chemistry, Third and Fourth Years

In the following schedule of courses, after the second year there are offered certain prescribed subjects required of all students and in addition five group options, the last four of which are outlined for the purpose of affording systematic training along certain important lines of applied chemistry. The first option, A, is intended for those students who wish to place chief emphasis on the fundamental branches of chemistry as a science and for those students who desire a combination of subjects not outlined in the other four groups. Students in option A must submit to their adviser at the beginning of the junior year an outline of their proposed program for the junior and senior years. Approval of such an outline must be secured from the adviser before registering. At least 12 hours of the electives under option A must be in Chemistry, and it is recommended that they be selected as far as possible from more advanced courses in inorganic, analytical, organic, and physical chemistry. In all groups in the junior and senior years the subjects to be taken outside of the department, including electives, must amount to at least ten hours including a course in the theory of economics. Students who have presented German for entrance should take French 1a and 1b among the electives of the junior year; those who have offered French should take German 1 and 3.

The groups provided for, with the letter used to designate each group, are as follows:

A. General	D. Food and Sanitation
B. Electrochemical	E. Physiological
C. Industrial	F. Sanitation

THIRD YEAR

Prescribed for all Groups

Chem. 14a—Organic Chemistry	3
Chem. 14c—Organic Synthesis	2
Chem. 92a—Journal Meeting	1
Chem. 31—Physical Laboratory	3
Chem. 33—Phys. Chem. Lab.	2

Total 11

Group Options

A—General Electives	8
B—Electrochemical	
E. E. 8—Electric Currents and Apparatus	3
E. E. 68—Electrical Engineering Laboratory	1
Electives	4
C—Industrial	
E. E. 8—Electric Currents and Apparatus	3
E. E. 68—Electrical Engineering Laboratory	1
Electives	4
D, E, and F—Food, Physiological, and Sanitation Bact. 5—Introductory Bacteriology	5
Electives	3

FOURTH YEAR

Prescribed for all Groups

Chem. 14b—Organic Chemistry	3
Chem. 14d—Organic Synthesis	2
Chem. 92b—Journal Meeting	1
Chem. 90—Inspection Trip	0
Econ. 2—Principles of Economics	3
Chem. 65—Gas and Fuel Analysis	3

Total 12

Group Options

A—General Electives	4
B—Electrochemical, Electives	4
C—Industrial, Electives	4
D and E—Food and Physiological, Electives	4
F—Sanitation	
Chemistry 10a	3

Prescribed for all Groups

Chem. 11a—Thesis or Approved Chem. Elec. ²	5
Chem. 93a—Journal Meeting	1
Chem. 95—History of Chemistry	2

Total 8

Group Options

A—General Electives	9
B—Electrochemical	
Chem. 35—Electrochemistry	3
Chem. 37—Experimental Prob. in Physical and Electrochemistry	4
Phys. 4a—Electrical and Magnetic Measurements	2
C—Industrial	
Chem. 7—Metallurgy	3
Chem. 35—Electrochemistry	3
Chem. 69—Met. Lab. and Assaying	2
Electives	1
D—Food	
Chem. 25—Food Analysis	5
Chem. 21—Qual. Organic Analysis	2
Electives	2
E—Physiological	
Chem. 15—Physiological Chem.	5
Chem. 21—Qual. Organic Analysis	2
Electives	2
F—Sanitation	
Chemistry 110	3
Electives	8

Prescribed for all Groups

Chem. 6—Chemical Technology	3
Chem. 11b—Thesis or Approved Chem. Elec. ²	5
Chem. 93b—Journal meeting	1
Chem. 91—Inspection Trip	0

Total 9

Group Options

A—General, Electives	8
B—Electrochemical, Electives	8
C—Industrial	
Chem. 61—Industrial Laboratory	3
Chem. 78	2
Electives	3
D—Food	
Chem. 26—Pharmaceutical Chemistry	3
Electives	5
E—Physiological	
Chem. 15a	2
Electives	6
F—Sanitation	
Electives	8

¹12 hours of the total electives of the third and fourth years, Group Option A must be in chemistry; 10 hours must be taken outside of the Department.

²Subject to the approval of the departmental committee on undergraduate theses.

Curriculum in Chemical Engineering,**Third and Fourth Years**

The work of the technical chemist or superintendent is frequently so closely associated with mechanical and other branches of engineering as to make a knowledge of these subjects essential. To meet these conditions, the following four-year curriculum in chemistry and related engineering subjects has been arranged. The degree given is that of Bachelor of Science in chemical engineering.

It is advised that students intending to take this curriculum be prepared to offer for entrance two units of Manual Training, including mechanical drawing, or arrange to take equivalent courses in the University.

THIRD YEAR

Chemistry 14a—Organic Chemistry	3	Chemistry 14b—Organic Chemistry	3
Chemistry 14c—Organic Synthesis	2	Chemistry 14d—Organic Synthesis	2
Chemistry 92a—Journal Meeting	1	Chemistry 31—Physical Chemistry	2
E. E. 8—Electric Currents and Apparatus ..	3	Chemistry 33—Physical Chem. Laboratory ..	2
E. E. 68—Electrical Engineering Laboratory ..	1	Chemistry 92b—Journal Meeting	1
T. and A. M. 25—Resistance of Materials ..	4	Chemistry 6—Chemical Technology	3
Chemistry 65—Gas and Fuel Analysis	3	Chemistry 90—Inspection Trip	1½
		Chemistry 61—Industrial Chemistry Lab. ..	3
		or	
		Chemistry 10a—Water Chemistry	3
Total	17	Total	17½

FOURTH YEAR

Chemistry 7a—Metallurgy of Iron and Steel ..	3	Chemistry 11b—Thesis or App'd. Chem. Elec. ¹ ..	6
Chemistry 11a—Thesis ² or App'd. Chem. Elec. ¹ ..	3	Chemistry 93b—Journal Meeting	½
Chemistry 35—Electrochemistry	3	M. E. 61, 62, or 64—Mechanical Engineering ..	
Chemistry 69—Assaying	2	Laboratory or Cer. Eng. 20, G. E. D. 2 ..	2 or 3
Chemistry 93—Journal Meeting	½	Chemistry 91—Inspection Trip	½
M. E. 1, 2, or 3—Steam Engineering or Cer. Eng. 1, G. E. D. 1, M. E. 11	3	Electives	9 or 8
Electives	2		
Total	16½	Total	18

Curriculum in Pharmaceutical Chemistry

For the benefit of students who are graduates of recognized colleges of pharmacy a new option in pharmaceutical chemistry leading to the degree of Bachelor of Science in Chemistry is offered.

The credits to be allowed on transfer are based on the curriculum of the University of Illinois School of Pharmacy.

For entrance to the School of Pharmacy fifteen units of high school work are required. For the degree of Graduate in Pharmacy, the students attend for two years of thirty-six weeks each. The course of study is the equivalent of fifty-eight university hours. For the degree of Pharmaceutical Chemist, an additional year of thirty-six weeks is taken and the course of study for this year is equivalent to twenty-five university hours.

The following option in pharmaceutical chemistry leads to the degree of B. S. in Chemistry.

1. Persons holding the degree of Graduate of Pharmacy from a college of pharmacy holding membership in the American Conference of Pharmaceutical Faculties, who can present fifteen units of high school work for entrance, will be allowed forty hours of university credit in the chemistry curriculum.

2. In addition to the forty hours of credit to qualify for the work of the third year a student must offer the following subjects from the University of Illinois or elsewhere:

College Algebra	3 hours
Trigonometry	2 hours
Analytical Geometry	4 hours
Calculus	6 hours
Physics	9 hours
Rhetoric and Composition	6 hours
French or German (preceded by two units' entrance credit in the same language)	8 hours
Total	38 hours

¹Subject to the approval of the departmental committee on undergraduate theses.

²Pre-requisite Chem. 78 is required for Chem. 11a in metallurgy and must be completed in junior year.

Such students will have junior standing.

3. The work of the junior and senior years should include the following courses:

Chemistry 14b, Advanced Organic Chemistry Lectures	3 hours
Chemistry 14c and 14d, Organic Preparations	4 hours
Chemistry 5b, Advanced Quantitative Analysis	5 hours
Chemistry 31, Physical Chemistry	2 hours
Chemistry 33, Physico Chemical Measurements	2 hours
Chemistry 95, History of Chemistry	3 hours
Chemistry 6, Industrial Chemistry	3 hours
Chemistry 92a, 92b, 93b, Journal Meeting	4 hours
Chemistry 11a, 11b, Thesis or App'd. Chem. Elect. ¹	10 hours
Electives in Chemistry	12 hours
Non-chemical electives	5 hours
Military Training and Physical Education or electives	6 hours
Total	58 hours

Students holding the degree of Pharmaceutical Chemist will be allowed eighteen hours of advanced standing in lieu of the eighteen hours chemical and non-chemical electives of the last two years.

THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

For a description of the *building* used by this College, see page 48; for *museum and collections* belong to it, see page 57; for *societies and clubs* auxiliary to its curricula, see page 88; for *fees* see page 91.

GENERAL STATEMENT

The purpose of the College of Commerce and Business Administration is to give its students a knowledge of the principles underlying business, with special training for particular business callings. The College does not attempt to prepare students for clerical and similar occupations as employees, but it does endeavor to lay a broad foundation on which successful careers in managerial and administrative positions and as proprietors may be built. To this end courses in economics, accountancy, business organization and operation, banking, commerce, railway administration, and industry are offered in combination with courses in language and literature, the social sciences, law, mathematics, and the natural sciences.

The work of the college is divided into three separate departments as follows: economics, including finance and statistics; business organization and operation, including accountancy and business law; and transportation.

ADMISSION

See the statement of the entrance requirements of the University, pages 62-77.

Unclassified Students

See the statement of the general regulations of the University in regard to unclassified students, page 67.

REQUIREMENTS FOR GRADUATION

Students who graduate from the College of Commerce and Business Administration are awarded the degree of Bachelor of Science. The requirements for graduation are as follows:

1. *University requirements.* A candidate must comply with the University requirements as to residence and registration, and secure credit amounting to 130 hours, including credit in the following subjects prescribed by general University regulations for all students: *Rhetoric 1-2*, 6 hours; and *Physical Education 1, 2* and *Hygiene 1*, 2 hours, for men, and *7a-7b* and *8a-8b* and *Hygiene 2*, 5 hours, for women; and *Military Science*, 4 semesters, 4 hours, for men. Students who elect the Reserve Officers' Training Corps must also take *Military Science*, 4 additional semesters, 4 hours.

2. *Study Methods.* All freshmen students are required to attend the lecture course on study methods during the first semester. The class meets once a week on Tuesday, at 2 p. m., in the University Auditorium.

3. *Prescribed Subjects.* A candidate must also secure credit in the other subjects listed as *prescribed* in his chosen curriculum.

4. *Language Group.* Of the electives allowed, 8 hours must be either in English literature or in a foreign language in all curricula, but prescribed courses in either of these subjects may be counted in meeting this requirement. In order to secure any credit in a beginning course in a foreign language, a full year's work must be completed.

5. *Social Science Group.* Twelve hours of the electives allowed must be chosen from the following group of subjects: *History, political science, philosophy, psychology, and sociology*, provided that *not fewer than six hours* in any one subject may be counted in fulfilling this requirement; but prescribed courses in any of these subjects may be counted in meeting the requirement.

This requirement (5) applies to curricula in:

General Business
Banking
Insurance
Accountancy
Railway Administration
Commerce and Law
Commercial and Civic Secretaries

This requirement (5) does *not* apply to curricula in:

Railway Transportation
Commercial Teachers
Foreign Commerce
Industrial Administration

6. *Science Group.* In all curricula *ten hours* of the electives allowed must be chosen from the following groups of subjects: *Chemistry, mathematics*, (Math. 22 and Math. 23 excepted) and *physics*, provided that *not fewer than 5 hours* in any one subject may be counted in fulfilling this requirement; but prescribed courses in any of these subjects may be counted in meeting the requirement.

7. *Free Electives Group.* Free electives sufficient to make the 130 hours required for graduation may be selected from any department in the College of Commerce, the College of Liberal Arts and Sciences, or the Library School. All other electives must have the approval of the Dean of the College at the time of registration.

THE CURRICULA

The curricula in commerce and business administration are: General business, commercial and civic secretarial service, banking, insurance, accountancy, general railway administration, railway transportation, commercial teaching, foreign commerce, industrial administration, and commerce and law. The subjects prescribed for graduation in each curriculum are listed in the following outlines. These subjects are in general arranged in sequence and should be taken in the order given.

In addition to the prescribed subjects sufficient electives must be taken each semester to make up a minimum of 15 hours, but not to exceed a maximum of 18 hours of work. In choosing electives the attention of students is called to provisions 4, 5, and 6 of the preceding statement of the requirements for graduation. It is *required* that a sufficient number of hours from the subjects enumerated in groups 4 and 6 above be taken during each semester of the first year to make up, together with the prescribed subjects, a schedule of not fewer than 15 hours. Attention is specifically called to such elementary courses as carry only part credit for seniors.

General Business Curriculum

FIRST YEAR

FIRST SEMESTER

	Hours ¹
Study Methods (Auditorium, Tu. 2)	0
Acc'y 1a—Principles of Accounting ²	3
Econ. 27—Economic Resources	3
Rhet. 1—Rhetoric and Themes	3
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$
Hygiene 1	$\frac{1}{2}$
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	4-7
Total	15-18

SECOND SEMESTER

	Hours ¹
Acc'y 1b or 1c—Principles of Accounting	3 or 4
Econ. 22—Economic History of the United States	3
Rhet. 2—Rhetoric and Themes	3
Phys. Ed. 2—Gymnasium	1
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	3-7
Total	15-18

SECOND YEAR

Acc'y 2a—Intermediate Accounting	3
Econ. 1—Principles of Economics	5
Rhet. 10—Letters	2
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	4-7
Total	15-18

Acc'y 2b—Intermediate Accounting	3
Econ. 3—Money and Banking	3
Bus. Org. and Op. 1	3
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	5-8
Total	15-18

THIRD YEAR

Bus. Org. and Op. 2	3
Bus. Law 1a—Commercial Law	3
Trans. 1—Transportation System of the United States	3
Electives	6-9
Total	15-18

Bus. Law 1b—Commercial Law	3
Econ. 10—Corporation Management and Finance	3
Trans. 12—Freight Shipment	3
Electives	6-9
Total	15-18

¹Semester hours. For definition, see page 209.

²Accounting 1a is not to be taken if one unit of bookkeeping is offered for entrance credit.

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 8—Advertising	2
Econ. 51, or Econ. 41, or Econ. 61	3	Econ. 42, or Econ. 24, or Econ. 31	3
Electives	10-13	Electives	10-13
Total	15-18	Total	15-18

Curriculum for Commercial and Civic Secretaries

FIRST YEAR

Same as General Business

SECOND YEAR

Pol. Sci. 1—State gov't	3	Rhet. 10—Letters	2
Psych. 1—Principles	4	Psych. 2—Principles	4

Otherwise same as General Business

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Bus. Org. and Op. 2—Business Organization and Operation	3	Econ. 10—Corporation Management and Finance	3
Pol. Sci. 4—Municipal gov't	3	Trans. 12—Freight Shipment	3
Sociol. 8—Charities	3	Electives	9-12
Trans. 1	3		
Electives	3-6		
Total	15-18	Total	15-18

FOURTH YEAR

Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Econ. 51, Econ. 41, or Econ. 43	3	Bus. Org. and Op. 8—Advertising	2
Hort. 37a—City Planning	3	Hort. 37b—City planning	3
Bus. Org. and Op. 9	2	Hort. 10b—Town Improvement	2
Electives	4-7	Electives	5-8
Total	15-18	Total	15-18

Curriculum in Banking

The first and second years are the same as in the General Business Curriculum except that Mathematics 2—College Algebra (3)—is prescribed in the first semester of the first year.

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
Bus. Org. and Op. 2—Business Organization and Operation	3	Bus. Law 1b—Commercial Law	3
Bus. Law 1a—Commercial Law	3	Econ. 10—Corporation Management and Finance	3
Econ. 51—Public Finance	3	Math. 23—Mathematics of Investment	3
Electives	6-9	Electives	6-9
Total	15-18	Total	15-18

FOURTH YEAR

Econ. 9—Practical Banking	2	Econ. 8—The Money Market	2
Electives	13-16	Econ. 36—Investments	2
		Electives	11-14
Total	15-18	Total	15-18

Curriculum in Insurance

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	<i>Required Subjects</i>		<i>Required Subjects</i>
Math. 2 or 3—Algebra	3 or 5	Math. 6—Analysis	5
Math 4—Trigonometry	2		

Otherwise same as general business

¹Semester hours. For definition, see page 209.

SECOND YEAR

Math. 8a—Calculus	3	Math. 8b—Calculus	3
		Rhet. 10—Letters	2
Otherwise same as general business			

THIRD YEAR

Bus. Law 1a—Com. Law	3	Bus. Law 1b—Com. Law	3
Bus. Org. and Op. 2	3	Econ. 10—Corp. Finance	3
Econ. 51—Pub. Finance	3	Math. 23—Math. of Investments	3
Electives	6-9	Electives	6-9
Total	15-18	Total	15-18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 8—Advertising	2
Econ. 55—Insurance	2	Math. 31—Actuarial Math.	3
Math. 30—Actuarial Math.	3	Electives	10-13
Electives	8-11		
Total	15-18	Total	15-18

Curriculum in Accountancy

The first and second years are the same as in the General Business Curriculum except that Mathematics 2—College Algebra (3)—is prescribed in the first semester of the first year.

THIRD YEAR

FIRST SEMESTER	Hours ¹	SECOND SEMESTER	Hours ¹
Acc'y 3a—Advanced Accounting	3	Acc'y. 3b—Auditing	3
Bus. Org. and Op. 2—Mercantile Distribution	3	Econ. 10—Corporation Management and Finance	3
Electives	9-12	Math. 23—Mathematics of Investment	3
		Electives	6-9
Total	15-18	Total	15-18

FOURTH YEAR

Acc'y 5a—C. P. A. Problems	3	Acc'y 5b—C. P. A. Problems	3
Acc'y 4a—Cost Accounting	2	Acc'y 4b—Systems	2
Econ. 11—Industrial Consolidations	2	Acc'y 20—Income Tax	2
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Electives	5-8	Electives	5-8
Total	15-18	Total	15-18

Curriculum in General Railway Administration

The first year of this curriculum is the same as the first year of the Curriculum in Insurance.

The second year is the same as in the General Business Curriculum.

THIRD YEAR

Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Trans. 1—Transportation System of the United States	3	Trans. 2—Transportation Policy in Europe and the United States	3
Electives	9-12	Trans. 12—Rates and Regulations	3
		Econ. 10—Corp. Finance	3
Total	15-18	Electives	3-6
		Total	15-18

FOURTH YEAR

Econ. 41—Labor Problems	3	Trans. 8—Railroad Organization and Working	3
Trans. 7—Railroad Finance	3	Econ. 42—Labor Legislation	3
Trans. 17—Railway Terminal Management	3	Trans. 26—Economics of Railway Locations and Maintenance	3
Trans. 22—Ocean Shipping	3	Electives	6-9
Electives	3-6		
Total	15-18	Total	15-18

¹Semester hours. For definition, see page 209

Curriculum in Railway Transportation

A curriculum designed for those planning to enter the transportation department of the railways.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Study Methods (Auditorium Tu. 2)	0	Acc'y 1b—Principles of Accounting	3	G. E. D. 2—Descriptive Geometry	4
Acc'y 1a—Principles of Accounting	3	G. E. D. 1—Elements of Drafting	4	Rhet. 2—Rhetoric and Themes	3
G. E. D. 1—Elements of Drafting	4	Math. 2—Advanced Algebra	3	Math. 6—Analytic Geometry	5
Math. 2—Advanced Algebra	3	Math. 4—Trigonometry	2	Phys. Ed. 2—Gymnasium	1
Math. 4—Trigonometry	2	Rhet. 1—Rhetoric and Themes	3	Military—Practical Instruction	$\frac{1}{2}$
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Military—Theoretical Instruction	$\frac{1}{2}$
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Hygiene 1	$\frac{1}{2}$	Electives	0-1
Hygiene 1	$\frac{1}{2}$	Military—Practical Instruction	$\frac{1}{2}$		
Military—Practical Instruction	$\frac{1}{2}$	Military—Theoretical Training	$\frac{1}{2}$		
Military—Theoretical Training	$\frac{1}{2}$	Electives	0-1		
Electives	0-1				
Total	17-18	Total	17-18		
SECOND YEAR					
Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3		
Math. 8a—Differential and Integral Calculus	3	Math. 8b—Differential and Integral Calculus	3		
Physics 1a—General Physics	3	Physics 1b—General Physics	2		
Physics 3a—Physical Measurements	2	Physics 3b—Physical Measurements	2		
Military—Practical Instruction	$\frac{1}{2}$	Bus. Org. and Op. 1	3		
Military—Theoretical Instruction	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics	3		
Rhet. 10—Letters	2	Military—Practical Instruction	$\frac{1}{2}$		
Electives	0-2	Military—Theoretical Instruction	$\frac{1}{2}$		
Total	16-18	Electives	0-1		
THIRD YEAR					
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3		
Trans. 1—Transportation System of the United States	3	C. E. 76—Surveying	2		
Econ. 41—Labor Problems	3	M. E. 2—Steam Engineering	3		
Electives	6-9	Trans. 2—Transportation Policy in Europe and the United States	3		
Total	15-18	Trans. 12—Freight Shipment	3		
FOURTH YEAR					
Trans. 7—Railroad Finance	3	Electives	1-4		
E. E. 11—Direct Current Apparatus	3				
E. E. 61—Direct Current Laboratory	1				
M. E. 61—Power Measurement	2				
Trans. 17—Railway Terminal Management	3				
Trans. 22—Ocean Shipping	3				
Electives	0-3				
Total	15-18				

Curriculum for Commercial Teachers

The first and second years are the same as in the General Business Curriculum except that foreign language is prescribed in the first year, Psychology 1—Introduction to Psychology (4), and Psychology 2—General Psychology (4)—in the second year.

FIRST SEMESTER		THIRD YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3	Econ. 10—Corporation Management and Finance	3
Educ. 25—Educational Psych.	3			Pol. Sci. 3—State and Local Government	3
Pol. Sci. 1—American Government	3			Trans. 12—Rates and Regulations	3-6
Trans. 1—Transportation System of the United States	3			Electives	3-6
Electives	3-6				
Total	15-18	Total	15-18		

¹Semester hours. For definition, see page 209.

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2
Educ. 6—Principles	3
Educ. 10—Technique	3
Electives	7-10
Total	15-18

Bus. Org. and Op. 8—Advertising	2
Econ. 29—Foreign Commerce or	
Econ. 31—Organization of Foreign Commerce	10-13
Electives	10-13
Total	15-18

Curriculum in Foreign Commerce

The first and second years of this curriculum are the same as in the General Business Curriculum except that foreign language is prescribed throughout both years.

THIRD YEAR

FIRST SEMESTER

	Hours ¹
Bus. Law 1a—Commercial Law	3
Bus. Org. and Op. 2—Mercantile Distribution	3
Foreign Language	3 or 2
Hist. 3a—History of the United States	3
Trans. 1—Trans. System of the United States	3
Electives	0 or 4
Total	15-18

SECOND SEMESTER

	Hours ¹
Bus. Law 1b—Commercial Law	3
Econ. 29—Foreign Commerce	3
Econ. 10—Corporation Management and Finance	3
Foreign Language	3 or 2
Hist. 3b—History of the United States	3
Trans. 12—Rates and Regulations	3
Electives	0 or 1
Total	17-18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2
Advanced History	3
Pol. Sci. 6—International Law	3
Electives	7-10
Total	15-18

Econ. 8—The Money Market	3
Econ. 31—Organization of Foreign Commerce	3
Econ. 24—Economic Hist.	3
Advanced History	3
Pol. Sci. 7—American Diplomacy	3
Electives	0-3
Total	15-18

Curriculum in Industrial Administration

The following curriculum is intended to meet the needs of commerce students planning to enter the administrative or selling departments of industrial plants. To the usual courses in economics, accounting, etc., are added certain groups of technical courses offered by other colleges of the University. Four such groups have been arranged, as follows: Group A, for those interested in the machine industries; Group B, the electrical industries; Group C, the building trades; Group D, the chemical industries. The student may select the one of these groups that will be most advantageous to him in his future work, but he is required to take all the courses listed in the chosen group.

A student electing the chemical industries group is required to take Econ. 27—Economic Resources (3) and Econ. 22—Economic History of the United States (3), instead of G. E. D. 1—Elements of Drafting (4) and G. E. D. 2—Descriptive Geometry (4), in the first year; and Chem. 1 or 1a—Inorganic Chemistry (5 or 3), instead of T. and A. M. 20—Analytical Mechanics (3), and Rhetoric 10—Letters (2) in the second year. Rhetoric 10 is deferred until the third year.

One year of Foreign Language or English Literature must be included among the electives.

FIRST YEAR

FIRST SEMESTER

	Hours ¹
Study Methods—(Auditorium Tu. 2)	0
Acc'y 1a—Principles of Accounting	3
G. E. D. 1—Elements of Drafting	4
Math. 2—College Algebra	3
Math. 4—Trigonometry	2
Rhet. 1—Rhetoric and Themes	3
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$
Hygiene 1	$\frac{1}{2}$
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	0-1
Total	17-18

SECOND SEMESTER

	Hours ¹
Acc'y 1b—Principles of Accounting	3
G. E. D. 2—Descriptive Geometry	4
Math. 6—Analytic Geometry	5
Rhet. 2—Rhetoric and Themes	3
Phys. Ed. 2—Gymnasium	1
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	0-1
Total	17-18

¹Semester hours. For definition see page 209.

SECOND YEAR			
Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3
Math. 8a—Differential and Integral Calculus	3	Math. 8b—Differential and Integral Calculus	3
Phys. 1a—General Physics	3	Phys. 1b—General Physics	2
Phys. 3a—Physical Measurements	2	Phys. 3b—Physical Measurements	2
Acc'y 2a—Factory Accounting	3	Rhet. 10—Letters	2
Military—Practical Instruction	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics	3
Military—Theoretical Instruction	$\frac{1}{2}$	Bus. Org. and Op. 1	3
Electives	0-1	Military—Practical Instruction	$\frac{1}{2}$
		Military—Theoretical Instruction	$\frac{1}{2}$
Total	17-18	Total	19
THIRD YEAR			
Bus. Org. and Op. 2—Mercantile Distribution	3	Bus. Law 1b—Commercial Law	3
Bus. Law 1a—Commercial Law	3	Trans. 12—Rates and Regulations	3
Trans. 1—Transportation System of the United States	3	Prescribed Technical Courses, Group A, B, C, or D	6-3
Prescribed Technical courses, Group A, B, C, or D	6-2	Electives	3-9
Electives	0-7		
Total	15-18	Total	15-18
FOURTH YEAR			
Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 8—Advertising	2
Econ. 43—Personnel Admin.	3	Econ. 10—Corporation Management and Finance	3
Prescribed Technical Courses, Group A, B, C, or D	7-3	Prescribed Technical Courses, Group A, B, C, or D	10-2
Electives	3-10	Electives	0-11
Total	16-18	Total	15-18

Optional Groups of Technical Courses

GROUP A—Machine Industries:

FIRST SEMESTER		THIRD YEAR		SECOND SEMESTER	
		Hours ¹			Hours ¹
T. and A. M. 21—Analytical Mechanics	2		M. E. 88—Machine and Forge Work	3	
M. E. 85—Pattern and Foundry Work	3		M. E. 2—Steam Engineering	3	
FIRST SEMESTER		FOURTH YEAR		SECOND SEMESTER	
M. E. 61—Power Management	2		E. E. 12—Alternating Current Apparatus ..	3	
E. E. 11—Direct Current Apparatus	3		E. E. 62—Alternating Current Laboratory ..	1	
E. E. 61—Direct Current Laboratory	1				

GROUP B—Electrical Industries:

FIRST SEMESTER		THIRD YEAR		SECOND SEMESTER	
T. and A. M. 21—Analytical Mechanics	2		M. E. 2—Steam Engineering	3	
FIRST SEMESTER		FOURTH YEAR		SECOND SEMESTER	
M. E. 61—Power Measurement	2		E. E. 12—Alternating Current Apparatus ..	3	
E. E. 11—Direct Current Apparatus	3		E. E. 62—Electrical Engineering Laboratory ..	1	
E. E. 61—Electrical Engineering Laboratory ..	1				
E. E. 90—Lighting	1				

GROUP C—Building Trades:

FIRST SEMESTER		THIRD YEAR		SECOND SEMESTER	
Arch. Eng. 43—Working Drawings	2		T. and A. M. 26—Analytical Mechanics and Hydraulics	4	
T. and A. M. 25—Resistance of Materials	4		Arch. Eng. 44—Working Drawings	2	
FIRST SEMESTER		FOURTH YEAR		SECOND SEMESTER	
Arch. Eng. 45—Graphic Statics	3		C. E. 36—Surveying	2	

¹Semester hours. For definition, see page 209.

GROUP D—Chemical Industries:

FIRST SEMESTER		THIRD YEAR	SECOND SEMESTER	
	Hours ¹			Hours ¹
Chem. 2a—Inorganic Chemistry and Qualitative Analysis	5		Chem. 5a—Elementary Quantitative Analysis	5
FIRST SEMESTER		FOURTH YEAR	SECOND SEMESTER	
Chem. 9c—Organic Synthesis	2		Chem. 6—Chemical Technology	3
Chem. 14a—Organic Chemistry	3		Chem. 31—Elementary Physical Chemistry	4
Chem. 92a—Journal Meeting	1		Chem. 33—Elementary Physical Chemistry	2
			Chem. 92b—Journal Meeting	1

Curriculum in Commerce and Law

(A six-year combined curriculum)

The following curriculum is provided for students who wish to combine commercial and legal studies and secure both the degree of Bachelor of Science and the degree of Bachelor of Laws or of Doctor of Law in six years. Students who elect this curriculum must meet all the requirements for graduation from the College of Commerce and Business Administration; but, in exercising their privileges of election, they are urged to select as many hours as possible from the following subjects: Hist. 2a-2b, English History (6); Hist. 3a-3b, United States History (6); Hist. 4a-4b; English Constitutional History (6); Pol. Sci. 1, American Government (3); and Pol. Sci. 3, State and Local Government (3). Students expecting to study law should devote at least 12 hours to work in history and political science. A course in English history is regarded as one of the most essential pre-legal subjects.

The law courses in the curriculum may be taken only in the fourth year, and are counted for 30 hours of credit toward the degree, instead of hour for hour, provided the full year's work is completed. In their fourth year, students will be regularly registered in the College of Law, but must file copies of their study-lists in the office of the Dean of the College of Commerce and Business Administration at the beginning of each semester.

FIRST SEMESTER		FIRST YEAR	SECOND SEMESTER	
Study Methods—(Auditorium Tu. 2)	0		Acc'y 1b—Principles of Accounting	3
Acc'y 1—Principles of Accounting	3		Econ. 22—Economic History of the United States	3
Econ. 27—Economic Resources	3		Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3		Phys. Ed. 2—Gymnasium	1
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$		Military—Practical Instruction	$\frac{1}{2}$
Hygiene 1	$\frac{1}{2}$		Military—Theoretical Instruction	$\frac{1}{2}$
Military—Practical Instruction	$\frac{1}{2}$		Electives	4-7
Military—Theoretical Instruction	$\frac{1}{2}$			
Electives	4-7			
Total	15-18		Total	15-18
SECOND YEAR			THIRD YEAR	
Acc'y 2a—Intermediate Accounting	3		Econ. 10—Corporation Finance	3
Econ. 1—Principles of Economics	5		Electives	12-15
Rhet. 10—Business Writing	2			
Military—Practical Instruction	$\frac{1}{2}$			
Military—Theoretical Instruction	$\frac{1}{2}$			
Electives	4-7			
Total	15-18		Total	15-18
FOURTH YEAR			FIFTH YEAR	
Law 1a—Contracts	6		Law 1b—Contracts	2
Law 2a—Torts	2		Law 2b—Torts	5
Law 5—Criminal Law	2		Law 3—Real Property	3
Law 6—Personal Property	2		Law 5—Criminal Law	2
Law 44—Actions	2		Law 11—Agency	3
Law 45—Bibliography	1			
Total	15		Total	15

¹Semester hours. For definition, see page 209.

THE COLLEGE OF EDUCATION

GENERAL STATEMENT

In June, 1918, the College of Education was organized to supersede the School of Education. It now includes, besides the general education courses leading to the degree of Bachelor of Science (Education), curricula in Agricultural Education, Athletic Coaching and Physical Education, Home Economics Education, Music Education, and Industrial Education. It is the aim of the College of Education to prepare its students as completely as possible for positions in the educational profession. It is, therefore, in its general plan and organization considered as one of the professional schools. In the case of Industrial Education, and Athletic Coaching and Physical Education, four-year curricula are offered.

ADMISSION

In general, for the year 1922-23, a student must complete two years (60 hours exclusive of military) of a curriculum in the colleges of Agriculture, Commerce and Business Administration, Engineering, or Liberal Arts and Sciences, or the School of Music, before being admitted to the College of Education. The exceptions to this are: Athletic Coaching and Physical Education, and Industrial Education. To the former, admission is granted upon the fulfillment of admission to the University and the passing of a medical and physical examination; to the latter, admission is granted upon the fulfillment of the requirements of admission to the University.

Juniors entering the College of Education through the College of Liberal Arts and Sciences should have completed the prescribed subjects and the first five group requirements for the degree of Bachelor of Arts.

Juniors entering through the other colleges should select some curriculum in the college chosen, and complete the first two years.

Juniors entering from other institutions must present 60 hours of a curriculum pursued in that institution.

Students who enter with more than 60 hours of credit will be given advanced standing in the College of Education to the amount which the credit is in excess of 60 hours.

REQUIREMENTS FOR GRADUATION

Students who graduate from the College of Education are awarded the degrees of Bachelor of Science (Education), Bachelor of Science (Agricultural Education), Bachelor of Science (Industrial Education), Bachelor of Science (Physical Education), Bachelor of Science (Music Education), or Bachelor of Science (Home Economics Education).

The requirements for graduation are the following:

1. A curriculum of 70 hours, except in Athletic Coaching and Physical Education, in which 136 hours are required, and in Industrial Education, in which 130 hours are required.

2. A major of 20 hours in education, including the following courses taken after admission to the College of Education: educational psychology, 3 hours; technic of teaching, 3 hours; a teachers' course in the subject of specialization, 3 hours; principles of secondary education, 3 hours; and educational practise, 3-5 hours.

During the year 1922-23, the teachers' courses offered in the departments of the College of Liberal Arts and Sciences and the School of Music may be substituted for the teachers' courses which will later be given in the College of Education.

3. A subject of specialization, which the student expects to teach, must be selected. Twenty hours of approved courses must be completed, except that in Agricultural Education, 52 hours, Home Economics Education, 36 hours, Athletic Coaching and Physical Education, 47 hours, and Industrial Education, 25 hours must be completed.

In computing the hours in the subject of specialization, courses taken in other colleges prior to admission may be counted.

4. The remainder of the curriculum may be elected from a list of courses approved by the faculty of the College of Education.

TEACHER'S DIPLOMA

Graduates of the College of Education who have satisfied the faculty with regard to their qualifications as teachers will be granted a Teacher's Diploma to apply toward the fulfillment of the requirements for certificates issued without examination.

CURRICULA IN EDUCATION

Because of the variety of curricula which the student may offer for admission to the College of Education none is presented in any department except agricultural education, home economics education, industrial education, music education, and athletic coaching and physical education. Students preparing to teach other subjects should follow the requirements stated under "Requirements for the Degree."

AGRICULTURAL AND HOME ECONOMICS EDUCATION

The College of Education offers courses for the preparation of teachers, supervisors, and administrators of Vocational Agriculture, and of Home Economics designed to meet the requirements of the section of the Smith-Hughes Act relating to teacher-training institutions.

Courses in teaching include practise in the departments of Vocational Agriculture and Home Economics in the high schools near the University. Opportunity is offered to graduate students to carry on investigations in the field of Agricultural Education.

Suggested Curricula in Agricultural Education

Meeting the requirements of teacher training under the Smith-Hughes Act. Prerequisite: Sixty hours in some curriculum of the College of Agriculture.

FIRST YEAR

(Third year of the Curriculum in Agricultural Education)

Required:

Educ. 25—Educational Psychology	3
Educ. 10—Technic of Teaching	3
Educ. 6—Principles of Secondary Education	3
Electives in Technical Agriculture and Education	

SECOND YEAR

(Fourth year of the Curriculum in Agricultural Education)

Required:

Educ'l. Practise 5—Teaching of Agriculture .	3-5
Educ. 51—Teachers' Course in Agriculture .	3
Electives in Technical Agriculture and Education	

HOME ECONOMICS EDUCATION

Required for the Degree of Bachelor of Science

(Home Economics Education)

Prescribed Subjects

	Hours
Home Economics 1, 2, 5, 6, 7, 10, 29	23
Art and Design 1, 12	5
Chemistry 1 or 1a, 2a	10 or 8
Chemistry 9, 9c	5 or 3
Economics 1 or 2	5 or 3
Physiology 1, 4	5
List A, a minimum of	13
<i>List A (a minimum of 13 hours)</i>	
Home Economics 3, 4, 14, 18, 19, 20, 28, 39a, 39b, 41, 30, 31, 33	

(Home Economics Education)—Smith-Hughes

Students expecting to meet the requirements for teacher-training under the Smith-Hughes act should include the following subjects in their four-year curriculum.

	Hours
Art Design 1—Freehand Drawing	3
Art and Design 12—Applied Design	2
Bacteriology 5a, 5b—Introductory Bacteriology	5
Chemistry 1 or 1a—Inorganic Chemistry	5 or 3
Chemistry 2a—Inorganic Chemistry and Qualitative Analysis	5
Chemistry 9 and 9c—Organic Chemistry	5
Economics 2—Principles of Economics	3
Education 6—Principles of High School Education	3
Education 10—Technic of Teaching	3
Education 14—Practise Teaching in Home Economics	5
Education 25—Educational Psychology	3
English 1, 2—Survey of English Literature	8
Home Economics 1—Selection and Preparation of Foods	3
Home Economics 2—Home Architecture	3
Home Economics 3—Home Decoration	3
Home Economics 5—Dietetics	4
Home Economics 6—Economic Uses of Foods	4
Home Economics 7—Textiles	3
Home Economics 10—Household Organization and Management	3
Home Economics 11—Teachers' Course	3
Home Economics 13—Teachers' Course	3
Home Economics 14—Practise House	3
Home Economics 19—Dress Design	3
Home Economics 29—Clothing	3
Home Economics 30—Clothing	3
Hygiene 2—Essentials of Hygiene and Sanitation	1
Physical Education 7a, 7b, 8a, 8b—Gymnasium Practise	4
Physiology 1—General Physiology	2
Physiology 4—Physiology of Digestion	3
Psychology 1—Introduction to Psychology	4
Rhetoric 1, 2—Rhetoric and Themes	6
Sociology 1—Principles of Sociology	3
Electives	16 or 18
Total	130

Curriculum in Public School Music Education

First and second years follow the curriculum of the same years in the School of Music, with piano as a major subject and voice as a minor subject.

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Music 25a—Public School Methods	4	Music 25b—Public School Methods	4
Music 47e or 57e—Piano or Voice ²	2	Music 47f or 57f—Piano or Voice	2
Music 67a, 77a, or 92a—Orchestral Instrument	2	Music 67b, 77b, or 92b—Orchestral Instrument (different)	2
Music 7—Counterpoint	3	Music 8—Counterpoint	3
Music 13—Appreciation	1	Music 14—Appreciation	1
Music 15—Instrumentation	1	Music 16—Instrumentation	1
Educ. 25—Educational Psychology	3	Educ. 10—Technic of Teaching	3
Total	16	Total	16

FOURTH YEAR

Music 26a—Public School Methods	4	Music 26b—Public School Methods	4
Educ. 6—Principles of Secondary Education	3	Educ. Practise 20	5
Educ. Practise 20	5	Electives	5
Electives	3		
Total	15	Total	14

¹Semester hours. For definition, see page 209.

²To be decided by the adviser.

INDUSTRIAL EDUCATION

The Department of Industrial Education of the University of Illinois has been established as an aid in the promotion of the welfare of industry. This it aims to do largely through the better training of teachers. The department is also concerned with the training of manual training teachers of shop work and drafting in the field of general education, and with the training of administrators for industrial education.

While the Department is organized as a part of the College of Education, like all other departments of the University, it makes use of such courses in other colleges and departments as serve its purposes. This makes possible a wealth of material for use by students specializing in Industrial Education.

Suggested Curricula in Industrial Education

I. Curriculum for Supervisors and Directors of Industrial Education. For Heads of Departments and High School Teachers of Manual Arts.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
G. E. D. 1—Elements of Drafting	4	Art and Design 1—Freehand Drawing	3		
Rhet. 1—Rhetoric and Themes	3	Math. 4—Trigonometry	2		
Indus. Educ. 1—Manual Arts, First Course	4	Rhet. 2—Rhetoric and Themes	3		
Phys. Ed. 1—Gymnasium (Men)	1½	Indus. Ed. 2—Advanced Manual Arts	4		
Hyg. 1—Hygiene (Men)	1½	Phys. Ed. 2—Gymnasium (Men)	1		
Phys. Ed. 7a—Practise (Women)	1	Phys. Ed. 7b—Practise (Women)	1		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or 51a and 51b—Military Drill and Theory	1	Mil. 2a and 2b, 12a and 12b, 22a and 22b, or 52a and 52b—Military Drill and Theory	1		
Hyg. 2—Hygiene (Women)	1	Electives	0-3		
Electives	0-3				
Total	15-18	Total	15-18		

SECOND YEAR			
	Hours ¹		Hours ¹
Econ. 1—Principles of Economics	5	Educ. 3—Survey of Modern Educational Problems	3
M. E. 85—Forge and Pattern Work (Men)	3	Indus. Educ. 62—History and Organization of Manual Arts	3
Home Econ. 1—Selection and Preparation of Food (Women)	3	M. E. 86—Foundry Work (Men)	3
Indus. Ed. 2a—Advanced Manual Arts	4	Home Econ. 7a—Textiles (Women)	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or 53a and 53b—Military Drill and Theory	1	Econ. 27—Econ. Records	3
Electives	0-2	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory	1
		Phys. Ed. 8b—Practise (Women)	1
		Electives	0-2
Total	16-18	Total	16-18

THIRD YEAR			
	Hours ¹		Hours ¹
Educ. 25—Educational Psychology	3	Indus. Ed. 54—Problems Part-time Teaching	3
Indus. Educ. 50—Problems of Indus. Educa- tion	3	Educ. 10—Technic of Teaching	3
M. E. 87—Machine Work (Men)	3	Econ. 41—Labor Problems	3
Home Econ. 19—Dress Design (Women)	3	M. E. 88—Machine Work (Men)	2
Electives	3-6	Home Econ. 12—Clothing (Women)	3
		Electives	4-7
Total	15-18	Total	15-18

FOURTH YEAR			
	Hours ¹		Hours ¹
Educ. 2—History of Education	3	B. O. and O. 4—Industrial Organization	3
Indus. Educ. 57—Organization of Shopwork	3	Educ. 41—Survey of Vocational Education	3
Sociol. 1—Principles of Sociology	3	Educ. 6—Principles of Secondary Education	3
Electives	6-9	Educ. Practise 16—Supervised Teaching	3-5
		Electives	1-6
Total	15-18	Total	15-18

II. Curriculum for Teachers of Related Subjects and General Continuation Teachers. Same as I. Electives to be chosen with advice of instructor.

III. Two-year Curricula for Teachers of Related Subjects and General Continuation Subjects.

Students over 21 years of age who are graduates of accredited high schools, may, with the approval of the dean of the college and the head of the department, select two years of work from the curricula under I. Students over 25 are not required to take Physical Education or Military Training.

IV. Curriculum for Teachers of Shop Work in Vocational Schools and Classes Operating under the State Board for Vocational Education.

¹Semester hours. For definition, see page 209.

FIRST YEAR

FIRST SEMESTER

Psychological basis of trade teaching. Analysis of teaching material in trades. Lesson-planning. Observation of trade teaching. Reports on Observations. (Such study of mathematics, science, drawing and English as may be needed by shop teachers will be included).

SECOND SEMESTER

Further work in trade analysis and observation of teaching. Special study of evening school problems. Analysis of the evening school student. Intensive study of methods of teaching. Organization of teaching material. Organization of related subjects. Course-planning. Practise teaching.

SECOND YEAR

FIRST SEMESTER

History of trade and industrial education. Place of industrial education. Types of industrial schools and classes. Problems of administration of industrial education.

SECOND SEMESTER

Early American legislation on vocational education. The Smith-Hughes law. Other modern laws and movements. State vocational education laws. The Illinois plan. Observation and practise teaching.

SUGGESTED CURRICULUM IN ATHLETIC COACHING 1922-1923

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
A. C. 30—Football (1st half sem.)	2	A. C. 3—Calisthenics	4
A. C. 40—Basketball (2nd half sem.)	2	Anatomy 2	3
Anatomy 1	3	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Military—Practical Instruction	$\frac{1}{2}$
Military—Practical Instruction	$\frac{1}{2}$	Military—Theoretical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$	Electives (academic)	7
Electives—(academic)	7		
Total	18	Total	18

SECOND YEAR

A. C. 31—Football (1st half sem.)	2	A. C. 31—Football (2d half sem.)	2
and		and	
A. C. 7—Boxing (2d half sem.)	1	A. C. 7—Boxing (1st half sem.)	1
and		and	
A. C. 8—Wrestling (2d half sem.)	2	A. C. 8—Wrestling (1st half sem.)	1
or		or	
A. C. 50—Baseball	4	A. C. 50—Baseball	4
Psych. 1—Introduction to Psychology	3	Physiol. 2—Physiology of Circulation	3
Physiol. 1—General Physiology	2	Journalism 22—The Newspaper	3
Journalism 21—The Collecting and Writing of News		Military—Practical Instruction	$\frac{1}{2}$
Military—Practical Instruction	$\frac{1}{2}$	Military—Theoretical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$	Electives (academic)	7
Electives (academic)	4		
Total	18	Total	18

THIRD YEAR

A. C. 16—Training	1	A. C. 32—Football	2
A. C. 17—Organization and Administration	2	A. C. 41—Basketball	2
A. C. 20—Field and Track	4	A. C. 60—Swimming	2
Educ. Practise 1	2	Educ. Prac. 2	2
Pub. Sp.—1 Oral Expression	2	Hygiene 10	3
Electives (academic)	4	Psychology 25	3
Total	18	Public Speaking 2	2
		Electives (academic)	2
		Total	18

FOURTH YEAR

A. C. 15—Playground Methods and Games	3	A. C. 9—Orthopedies	2
Educ. Prac. 3—(6 hours)	2	Educ. Prac. 4—(6 hours)	2
Educ. 6—Prin. of Secondary Education	3	A. C. 5—Physical Diagnosis	3
Educ. 25—Educational Psychology	3	A. C. 32—Football (1st half sem.)	2
Electives (academic)	7	A. C. 42—Basketball (2nd half sem.)	2
Total	18	Educ. 10—Technic of Teaching	3
		Educ. 43—Physical and Mental Tests	3
		Total	17

¹Semester hours. For definition, see page 209.

GRADUATE WORK IN EDUCATION

Graduate work in education is offered to qualified students in the following fields: educational administration; history of American education; educational psychology, including mental tests and clinical psychology; educational statistics; educational measurements; educational theory. The facilities of the University, including the library, laboratories, and the Bureau of Educational Research, are such as to make possible the investigation of all kinds of problems connected with the development of educational practice, theory, and administration. The major purpose of graduate work in education is to train students for administrative positions or for work as educational specialists in connection with city and normal schools, colleges, and universities.

THE UNIVERSITY HIGH SCHOOL

The laboratory work of the College of Education centers around the work of the *University High School*. This school, limited to 250 students, offers the customary high school curricula. The courses in educational practice are conducted by the instructors of the high school in connection with their high school teaching. In this way, through observation of skilled teaching and participation, both in the student and the teacher activities, the college senior secures an unusual type of educational practice. It is believed that these courses will add materially to the strength of the professional work of the College of Education.

BUREAU OF EDUCATIONAL RESEARCH

The Bureau of Educational Research is equipped for the following purposes: (a) the investigation of educational problems; (b) state service through the dissemination of information by correspondence with those making inquiry concerning the problems of education; and (c) the publication of research circulars and bulletins.

The Bureau also offers a curriculum designed to prepare students for directing educational research in public schools. This curriculum is planned for three classes of students: (1) superintendents and other supervisors who are directing educational research, (2) supervisors and teachers who desire to advance professionally by preparing themselves to direct educational research, and (3) graduate students in education.

COMMITTEE ON APPOINTMENT OF TEACHERS

The Committee on Appointment of Teachers recommends qualified graduates of the University for positions as teachers or supervisors in public schools, colleges, and technical schools in response to requests from the school authorities. The Dean of the College of Education is chairman of the Committee, and the Principal of the University High School is its secretary.

CERTIFICATION OF HIGH SCHOOL TEACHERS IN ILLINOIS

A student who expects to teach in the Illinois high schools should bear in mind that all teachers must be duly certificated. County high school certificates are granted upon examination by county superintendents, and State high school certificates upon examination by the State Superintendent. For county high school certificates issued without an examination the new certificating law makes the following provision:

"At the option of the county superintendent, a high school certificate may be issued without examination to graduates of a recognized normal school, college, or university, who present within three years after graduation, certified credits in English, pedagogy and six high school subjects (chosen from a list published by the Examining Board), accompanied by faculty recommendations of ability to teach in the high school." (Section 6.)

The educational courses required for the official recommendation of the University, are Education 10, 25, and elective courses in Education amounting to six hours.

State high school certificates are granted under the following conditions:

"A four-year high school certificate valid in any high school in the State, for which the requirements shall be: (1) Graduation from a recognized college or university, or the completion of an equivalent preparation; (2) three years' successful teaching, two of which shall have been in the State on a first grade, a high school, or a supervisory county certificate; (3) a successful examination in English, educational psychology, and the principles and methods of teaching; and (4) the preparation of a thesis on one or more secondary school problems, the subject or subjects of which shall be selected from a list prescribed by the Superintendent of Public Instruction."

Education 10 and 25 embody the materials usually covered by the State examinations in educational psychology and in methods of teaching.

REQUIREMENTS OF THE NORTH CENTRAL ASSOCIATION

Students who anticipate teaching in high schools accredited to the North Central Association of Colleges and Secondary Schools should complete courses in education aggregating at least *fifteen* semester hours. This requirement of the Association is effective for new teachers after 1923, but is not retroactive.

MILITARY SCIENCE

Under the Morrill Land Grant of 1862 (see page 42), military training is required; and under the Act of Congress of June 3, 1916, there are at the University of Illinois six units of the Reserve Officers' Training Corps.

All male students who are citizens of the United States and physically fit, except (1) students over twenty-five years of age when entering the University and (2) students entering the University with Junior standing, are enrolled during their first two years in the Reserve Officers' Training Corps.

The Reserve Officers' Training Corps courses cover four consecutive years of work. The basic course consists of the first two years, and students in this course are required to devote three periods a week of not less than one hour each to military science and training. For each semester of work in the basic course one hour of credit toward graduation is granted. Students of the basic course may attend a summer camp of six weeks. No university credit is allowed for this camp.

The final two years in the Reserve Officers' Training Corps are called the advanced course. Students who have completed the basic course may elect to take the advanced course, and, if selected by the President of the University and the Professor of Military Science and Tactics, they will be eligible to sign the contract with the Government to pursue the course for two years for which they will receive the payment of commutation of rations provided by law. Students of the advanced course are required to devote five hours a week to military science and training for the two years of the course, and the completion of this work becomes for them a prerequisite for graduation; they are also required to attend one summer camp of six weeks duration. From the beginning of the advanced course until the conclusion thereof, except for the time spent in camp, such students receive commutation of rations at a rate determined by the Secretary of War; the rate at present is thirty cents per day. At camp, rations in kind are furnished and payment of seventy cents a day is made each student. For each semester of work in the advanced course, students receive $1\frac{1}{2}$ hours' credit toward graduation. Students who have been members of units of the Reserve Officers' Training Corps may take advanced work, provided they present certificates signed by the professor of military science and tactics under whom they served indicating that they have satisfactorily completed courses in military science. If such certificates indicate that students have completed two years of the junior Reserve Officers' Training Corps training or one year of senior Reserve Officers' Training Camps training such students will, if they elect to take infantry, register for sophomore infantry. Such students may enter the advanced course their second year and, if selected by the President of the University and the Professor of Military Science and Tactics, they will be eligible to sign the contract with the Government to pursue the course for two years for which they will receive the payment of commutation of rations provided by law. Students who present certificates of completion of three years' work of the junior course and of especial proficiency, or of completion of two years of the senior course, will, if they select to take infantry, register for junior infantry thus entering the advanced course at once. Such students if, selected by the President of the University and the Professor of Military Science and Tactics, are eligible to sign the contract with the Government to pursue the course for two years for which they will receive the payment of commutation of rations provided by law. Requests to take advanced work in courses other than infantry by students who have had previous training in the Reserve Officers' Training Corps will be determined on the merits of the individual cases; for two years or more of work in the Junior Reserve Officers' Training Corps students may be authorized to take work one year advanced, and such students will be eligible for selection to enter the advanced course their second year. Students who have had training in the Reserve Officers' Training Corps should present to the professor of military science and tactics, a detailed record of the courses which they have pursued.

A student who completes the elective advanced course is eligible for appointment by the President of the United States as a reserve officer of the United States Army for a period of five years; and he is eligible also, in time of peace, for appointment as a temporary second lieutenant of the regular army, for purposes of instruction, with the allowances

provided by law for that grade and pay at the rate of \$100 a month for six months. On the expiration of this period of service with the regular army he reverts to the status of a reserve officer. Students who complete the basic course of the first two years are eligible for appointment as sergeants in the enlisted reserve corps of the United States Army; those who complete one year of advanced course work are eligible for appointment as warrant officers in the enlisted reserve corps.

The military instruction is under the direction of officers of the United States Army. The courses have special reference to the duties of officers. The equipment for military instruction is furnished by the War Department and includes: for Infantry, United States magazine rifles, automatic pistols, revolvers, machine guns, trench mortar, and 37 millimeter guns; for Artillery, four American three inch guns and complete equipment for battery and battalion headquarters, also one each of the following: 155 mm. Howitzer (Schneider), 155 mm. gun (Filloux), 4.7 inch American gun, 75 mm. French gun, 75 mm. British gun, 75 mm. American gun, engineer and signal equipment, tractors, reconnaissance car and trucks; seventy-five horses, saddles, brides; for Cavalry, 60 horses with full field equipment, rifles, pistols, sabres, automatic rifles, and machine guns; for Engineers, engineer instruments used for military sketching, surveying and making of maps; demolition equipment, map reproduction and photographic equipment, tools and supplies for field fortification, bridge material and heavy ponton equipment; for Signal Corps, radio telephone and telegraph instruments, field telephones, telegraph instruments, heliographs, flags, wire-carts, storage batteries, etc.; for Air Service, airplanes, airplane engines, aerial machine guns, aerial bombs, motor test block, radio code and buzzer sets, etc. Ammunition and supplies for demonstrations and practise are furnished. Students in each arm of the service are given instruction in the functions and equipment of the other arms.

The Cadet Brigade consists of an Infantry Brigade of two regiments, a Field Artillery Brigade of two regiments, one regiment of Cavalry, one battalion of Engineers, one Signal Corps Battalion, one Observation Group of Air Service. The training in each of these courses is directed by an army officer of the appropriate arm of service. A student is free to choose any branch for which his aptitude and course of study fit him. Appointments as cadet officers in the Brigade are made on the nomination of the Commandant of Cadets, confirmed by the President of the University. There shall be as many student assistants in military science as are deemed necessary, to be selected from the field officers and captains of the brigade, on the recommendation of the professor of military science and tactics, and approved by the proper authority. They shall receive \$100 a year, payable at the rate of \$10 a month from September 1. Certain senior cadet officers are awarded Military Scholarships of the value of \$50 per year, payable at the end of the year.

A committee appointed by the President of the University examines candidates for nomination to the Governor of the State for commissions as brevet captains in the State Militia. Candidates must be members of the senior class in full standing; must have completed the course of military studies; must have served two semesters as commissioned officers; and must be approved by the Council of Administration as having good reputations as scholars, officers, and gentlemen.

The University military band is composed of students, and every full term of service therein is counted as one term of drill. Those who play in the band after having earned the four military credits necessary for graduation are paid for this additional service an amount equal to the term fees for the year, as required from students who are residents of Illinois. Besides giving several concerts during the year, the band furnishes the music for regimental formations and ceremonies and other occasions as required by the President of the University. Membership is decided by competitive examination.

PHYSICAL EDUCATION

FOR MEN

The purpose of the work in the Department of Physical Education is to place the emphasis on the educative values of the various physical activities in developing function, perfecting nervous control, and on mental and moral improvement. The courses are so administered that the following benefits are likewise attained:

Hygienic—Development of organic vigor, improvement of health, and the creation of good physical habits.

Corrective—Correction of posture and carriage and of undeveloped or deformed parts.

Recreative—Giving an opportunity and incentive for physical recreation.

Physical Education is compulsory for all freshmen. Regular classes are formed in boxing, wrestling, fencing, swimming, and for class and individual proficiency on the various gymnasium appliances. Lectures are given on personal hygiene.

All competitive athletic games are under the direct supervision of the Director of Physical Education, and an examination is required to show that membership on any team will not cause injury, but will tend to improve the physical condition of the participant. No student whose class work is unsatisfactory is allowed to play on a University team.

For a description of the Men's Gymnasium, see page 52.

FOR WOMEN

The purpose of the work of this department is to improve and maintain the health of the individual. The physical condition and motor ability of each student is determined on her entrance to the University by a medical examination and motor efficiency tests given by the Department of Health Service and the Department of Physical Education. Exercise is prescribed which will best meet her individual need. Further examination is given whenever necessary.

The class work embraces corrective, hygienic, and recreative exercise, including gymnastics, apparatus, marching, folk dances, and games. Tennis, hockey, basketball, volleyball, baseball, soccer football, archery, quoits, and bowling are played in season.

The gymnasium is open at certain hours and under suitable restrictions to all women of the University. The uniform consists of black serge bloomers, white middie blouse, black tie, and gymnasium shoes.

The swimming pool is open daily, except Saturday, from 10 to 12 a. m., and from 2 to 5:30 p. m. The regulation swimming suit of one piece must be made of cotton jersey or other cotton material.

For a description of the Women's Gymnasium, see under Woman's Building, page 52.

THE SUMMER SESSION

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY
CHARLES ERNEST CHADSEY, Ph.D., Litt.D., *Dean of the College of Education, and Director of the Summer Session.*

GENERAL STATEMENT

The Summer Session of the University of Illinois for 1922 opened June 19, and closed August 12, making a term of eight weeks, or half a semester, for all students except graduate students who are candidates for a master's degree, for whom the prescribed term is nine weeks, and except students taking only courses in library science, physical education for men, athletic coaching, for whom the term was six weeks from June 19. The Summer Session of 1923 will open on June 18 and close on August 11.

All the courses, except those in library science and physical education for men, will extend through the eight weeks. Students who wish to remain for only six weeks, however, may obtain from the Director of the Summer Session a certificate for such attendance, but university credit will not be given for six weeks' courses except for those in physical education for men and in athletic coaching.

Students may register for courses aggregating eight hours or less.

PURPOSE

The Summer Session is an organized integral part of the University year. Tho its organization is not subdivided into colleges, numerous courses are offered by departments in the Colleges of Liberal Arts and Sciences, Commerce, Agriculture, Engineering, Education, and in the School of Music and the Library School. Unless otherwise specified, all courses may be counted toward an A.B. or B.S. degree, or toward a master's degree. By two Summer Sessions a regular student may reduce the eight semesters to seven, thus securing his degree a half year earlier than he would otherwise have done.

Students who have just graduated from an accredited high school may matriculate in the Summer Session and obtain credit for a half-semester. Pre-medical students are strongly urged to do this and to register for chemistry or zoology, mathematics, rhetoric, or other prescribed pre-medical subjects.

One of the primary purposes of the Summer Session is to meet the needs of the teachers in the public schools who wish to spend part of the summer vacation in serious study or investigation. Numerous courses are designed particularly for high school teachers, supervising officers, teachers of special subjects (agriculture, art, manual training, music, industrial education, etc.), and coaches of athletic teams; graduate courses are offered for college instructors, school supervisors, and principals who are working for advanced degrees.

ADMISSION

Admission in regular status to courses in the Summer Session for which university credit is granted is limited to students who could be regularly admitted into the colleges of the University (Liberal Arts and Sciences, or Commerce, or Engineering, or Agriculture) in which they would be registered in the winter session.

In order to meet in full the entrance requirements for any one of these colleges, a student must be a graduate of an accredited high school (or in lieu of such graduation, must pass entrance examinations in five units, including English composition, 1; algebra, 1; and three others to be designated by the University authorities in each case), and must obtain credit, either by passing entrance examinations or by presenting certificates of work completed in accredited secondary schools or other recognized schools, for 15 units of high school work, or the equivalent, in subjects accepted for admission to the University, including in the case of each college certain subjects especially prescribed for admission to that college. (See pages 62-75).

Admission to courses which give university credit, as *unclassified students, not candidates for a degree*, may be granted to persons 21 years of age or over, subject to the general regulations of the University relating to unclassified students.

A student who transfers from another college or university must present a letter of honorable dismissal, and a transcript of record, from the institution previously attended.

REGISTRATION

Students will present themselves for registration on Monday, June 18, 1923.

FEES

All fees are due upon registration.

An incidental fee of twenty dollars (\$20) is required of all residents of Illinois in regular attendance at the Session, and of thirty dollars (\$30) for students not residing in the State. This entitles one to admission to regular courses and to all special lectures. An extra laboratory fee is charged in some courses for materials used. Any single course, counting not more than two and one-half credit hours, may be taken by Illinois students for a fee of ten dollars (\$10), fifteen dollars (\$15) by students not residing in the State, and the laboratory fee, if there be any in connection with the course taken.

Fees in addition to the above general fees are required for practical courses in music.

SCHOLARSHIPS

By ruling of the Board of Trustees of the University, all high school teachers in Illinois, and all other teachers in the State who are qualified to matriculate in the University as regular students, are entitled to Summer Session scholarships of twelve dollars (\$12), reducing for them the incidental fee from twenty dollars (\$20) to eight dollars (\$8). Similar scholarships are granted librarians and library assistants employed by Illinois libraries and persons under appointment to such positions. To matriculate regularly in the University, one must either pass the entrance examinations, or present a certificate from an accredited high school or other evidence of having completed the requisite amount of preparatory work.

The Board of Trustees has extended the scholarship privileges also to persons graduated from the Illinois State Teachers' Colleges during the academic year preceding the session in which the scholarship is desired, and to persons (otherwise qualified) who have not been teachers, but who are under contract to teach in the State during the coming year.

Application blanks for scholarships may be obtained by addressing the Registrar.

GRADUATE WORK IN THE SUMMER SESSION

The Summer Session places emphasis on graduate courses leading to the master's degree. The departments related to high school teaching and to educational administration have been selected as the centers of this emphasis. An attempt is made to vary the graduate offerings from year to year so that advanced students each year may find acceptable work in their chosen fields.

The normal requirement for the master's degree is full work of graduate grade, satisfactorily completed, through one year of residence. This means a residence of thirty-six weeks at the University. Qualified graduate students may fulfil this residence requirement in four summer sessions of eight weeks each and an additional four weeks' study at the University under the direction of the person in charge of the major work. Thus a student, by working at the University for one week before or after each session under the direction of the professor in charge of his major subject, may earn the master's degree in four summers.

In certain cases it will be possible for the graduate student to complete the last fourth of his residence requirement under a leave of absence. This privilege may be granted in the event that the student is able to take advantage of opportunities for research and investigation that are not afforded in the University community. Superintendents, principals, and class room teachers frequently find it possible to carry on investigations in connection with their school work. There are, for example, numerous problems of school administration and of teaching for which the public school itself forms the only available "laboratory." Where the investigation of such problems is prosecuted with the cooperation of a department of the University, it may be possible to count the work toward the master's degree.

COURSES IN LIBRARY SCIENCE

Beginning Monday, June 19, 1922, and continuing for six weeks, the Library School conducted courses to which were admitted only high school graduates actually employed as librarians, or library assistants, or as teacher librarians, or under definite appointments to serve in such positions. The curriculum met especially the needs of workers in college, public, and high school libraries of Illinois. Summer Session scholarships of twelve dollars (\$12) reduced the incidental fee from twenty dollars (\$20) to eight dollars (\$8) for students entering from a library in this State; students entering from libraries in other states paid a tuition fee of thirty dollars (\$30). The work was under the general direction of the faculty of the Library School, and the instruction was given by members of the faculty, supplemented by lectures by neighboring librarians. No credit toward the B. L. S. degree is given for the work.

Courses of the regular two-year curriculum were also offered to college graduates who satisfied the entrance requirement. These courses extended over eight weeks, and were accepted for credit to the B. L. S. degree. Admission to these courses was conditioned on the presentation of credentials showing that the applicant held a Bachelor's degree in Arts or Science from the University of Illinois or had other equivalent training.

Application blanks for admission must be secured, and these should be filled out and sent to the Director of the School together with such additional statements as the candidate may offer, showing his qualifications for admission. The application must be filed sufficiently early to enable the School to receive replies from librarians and others who have personal knowledge of the applicant.

COURSES FOR ATHLETIC COACHES

Courses for Athletic Coaches under the general direction of George A. Huff, Director of Physical Education for Men, meet the growing demand, not only from high schools, but from colleges and other institutions as well, for trained men to direct and coach athletics. They are designed to assist both the high school teacher or principal who desires to become proficient in coaching one or more athletic teams and the man who intends to take up the directing of athletics or coaching as a vocation.

The courses occupy the first six weeks. All the courses are taught by the men who coach the athletic teams of the University of Illinois. The athletic plant of the University is turned into a laboratory and the larger part of the instruction is given on Illinois Field.

Students may devote either their whole time, or part of their time to these courses. Detailed information regarding the courses for Athletic Coaches may be found in a special circular which will be sent on application to George A. Huff, Director, Gymnasium, Urbana, Illinois.

ATHLETICS

Altho both the men's and women's gymnasiums are used in some parts of the regular class work in Physical Education, they are nevertheless open for the purpose of general recreation and exercise to students not registered in those courses. Both of the gymnasiums contain swimming pools, shower baths and other forms of bath, lockers, and dressing rooms. Students are charged a small sum for a locker. The tennis courts, general athletic fields, and golf courses on the University campus are open to the student body.

DESCRIPTION OF COURSES

For a description of the courses offered in the Summer Session, see the General Description of Courses, beginning on page 209.

THE COLLEGE OF ENGINEERING

For a description of the *buildings* used by this College, see page 48; for *collections* belonging to it, see page 57; for *clubs and societies auxiliary to its curricula*, see page 88; for *fees* see page 91; for *honors*, see page 78; for *honorary societies*, see page 88.

GENERAL STATEMENT

The purpose of the College is to train men for the profession of engineering. In arranging its curricula, cultural subjects are interwoven with the theoretical subjects of the several departments. The instruction of the class-room and the practise afforded by the library, the drafting room, and the laboratory are correlated. Throughout his course the student works on problems and proceeds by methods similar to those which arise in the experience of the practising engineer.

ADMISSION

See the statement of the entrance requirements of the University, pages 62-75.

Unclassified Students

See the statement of the regulations of the University in regard to unclassified students, page 67.

REQUIREMENTS FOR GRADUATION

Each curriculum in the college requires the completion of 142 credit hours. With the exception of the curricula in Ceramics, Ceramic Engineering, General Engineering, and General Engineering Physics no less than 130 hours of the 142 are specified and required for the degree. Six or nine hours of non-technical work are elective in the junior and senior years of each curriculum.

DESCRIPTION OF DEPARTMENTS

The College of Engineering comprises the following departments:

- DEPARTMENT OF ARCHITECTURE, with curricula in—
 - Architecture
 - Architectural Engineering
- DEPARTMENT OF CERAMIC ENGINEERING, with Curricula in—
 - Ceramics
 - Ceramic Engineering
- DEPARTMENT OF CIVIL ENGINEERING
- DEPARTMENT OF ELECTRICAL ENGINEERING
- DEPARTMENT OF MECHANICAL ENGINEERING
- DEPARTMENT OF MINING ENGINEERING
- DEPARTMENT OF MUNICIPAL AND SANITARY ENGINEERING
- DEPARTMENT OF PHYSICS
- DEPARTMENT OF RAILWAY ENGINEERING, with curricula in—
 - Railway Civil Engineering
 - Railway Electrical Engineering
 - Railway Mechanical Engineering

The curriculum in General Engineering is administered by the office of the Dean of the College.

The curriculum in Gas Engineering is administered by the Department of Mining Engineering.

ARCHITECTURE

The Department of Architecture offers two curricula leading to the first degree, the curriculum in architecture and the curriculum in architectural engineering. The aim of these curricula is to give preparation for the practise of architecture.

The curriculum in architecture aims primarily to train the student to produce correct, thoughtful, and beautiful works of architecture. The schedule includes liberal and scientific subjects to supply the background for creative work and to give a knowledge of the principles involved in the processes of safe and economical construction; also free-hand drawing for the purpose of training the eye to recognize correct proportion and training the hand to skillful and rapid drawing. The curriculum, however, consists mainly of the study of architectural forms and principles and their application in architectural design. From time to time the problems of the Society of Beaux Arts of Architects are given and the student drawings sent to New York for judgment.

The curriculum in architectural engineering gives a groundwork in mathematics and applied mechanics, and includes such studies as strength of materials, mill, and tall building construction, reinforced concrete, etc. The principles of these subjects are applied to all forms of building construction in courses given in the senior year, known as architectural engineering. While specializing in construction, this curriculum includes also the study of the forms and principles of architecture through such subjects as free hand drawing, architectural history, architectural drawing, and architectural design.

Both curricula in architecture prepare the student for the examinations of the Illinois State Board of Examiners of Architects, and graduates are exempt from examinations required for entrance into the American Institute of Architects, and from the preliminary examination for the prize in Architecture of the American Academy at Rome.

The Plym Fellowship in Architecture is awarded annually to a graduate of the department. This prize, which is awarded by competition, amounts to \$1,000 to be used toward the defraying of expenses for one year in Europe for the study of Architecture.

The American Institute of Architects offers annually a medal to be awarded to the graduate of the department whose work throughout the four years has been adjudged the most consistent. In making the award the scholarship in all work for the entire curriculum is considered.

The Scarab Medal in Architecture is awarded annually to a student of the department. This prize is a bronze medal which is awarded by competition.

The Ricker Prize in Architectural History is awarded annually for the best presentation of some phase of architectural history and is open to all students who are registered in the second year's work in this subject.

Students intending to take up the study of architecture should take freehand and architectural drawing and general history in high school.

Equipment

The equipment of the department includes plaster casts of architectural detail and ornament; lantern slides of architectural subjects and of painting and sculpture; a collection of 300 examples of American woods, shown in three sections each; and collections of architectural drawings and of specimens of building materials, fittings and appliances.

A balopticon is used for direct projection of photographs and colored plates, and a double electric lantern for projecting two pictures on the screen at once for comparative study. Geometrical and architectural models are lighted by a light properly adjusted for demonstration of the subjects of shades and shadows and conventional rendering. Wall space in the corridors of the department and in all drafting rooms has been prepared for exhibition purposes, and collections of drawings are constantly displayed. The department occupies the fourth floor of Engineering Hall, and part of the third; its quarters include drafting rooms for undergraduate and graduate work, lecture rooms, studios for freehand drawing, and the Ricker Library of Architecture.

The Ricker Library of Architecture, occupying the entire north wing of the fourth floor of Engineering Hall is open every week day from 8:00 a.m. to 10:00 p.m. Large tables are provided for the examination of books, photographs, and drawings. The books representing a collection of several thousand on architecture, engineering, and allied arts, are all books for reference in history, design, and construction. There are also over 15,000 lantern slides, 15,000 mounted photographs and drawings, and an interesting collection of stereoscopic views of several of the principal countries of the world.

CERAMIC ENGINEERING

The Department of Ceramic Engineering offers courses of instruction relating to the fabrication of clay products, cement and glass, and enamels for metals.

In addition to the fundamental engineering courses, work is offered in the physical and chemical principles of the production of silicate products, the winning and preparation of raw materials, their shaping, drying, and burning, or fusion, the composition and application of the various glazes, glasses, enamels, and colors, the planning and construction of industrial plants, and the various machines, apparatus, kilns, and furnaces used in these plants.

Industrial cooperation and research are prosecuted, and a series of bulletins on ceramic subjects is being published.

Equipment

The Department of Ceramic Engineering is housed in a three-story brick building providing lecture rooms, classrooms, and laboratory facilities.

The ceramic laboratories contain apparatus for the testing of clays and the preparation of cements, enamels, and glasses; machinery for grinding the raw materials, for shaping bricks, tile, saggers, pottery and refractories; a gas producer; kilns and furnaces; pyrometers, potentiometers, electric furnaces, recording instruments, and all other accessories for exact scientific and technical work.

A library pertaining to the silicate industries is available; also there are sets of working drawings representing the construction of important plants.

CIVIL ENGINEERING

The purpose of the Department of Civil Engineering is to make possible a systematic study of the principles of engineering and to give the students an opportunity for practise in the survey, design, and construction of public and other engineering works. The prime object is to bring about the development of the mental faculties of the student, particularly his initiative, and to help him to obtain a good grasp of the needs and opportunities afforded by engineering in general.

Equipment

For the surveying courses there is a full equipment of engineers' transits, levels, plane-tables, and other instruments in use not only in ordinary and railroad surveying, but also in more precise work.

In a building set apart for the purpose is a well equipped highway laboratory containing machines for testing bituminous and non-bituminous road materials, including brick, stone, and other road-making substances. The cement laboratory occupies a room in this building. It is provided with facilities for testing hydraulic cement, sand, and other aggregates used in concrete.

ELECTRICAL ENGINEERING

The Department of Electrical Engineering provides a curriculum in the theory and application of electricity. The first two years of work are substantially the same as in the other engineering curricula, including work in drafting room and shop, and instruction in the principles of mathematics and physics. In the third year a course in dynamo machinery is followed by the theory of alternating currents, while laboratory and design courses emphasize principles. Technical courses cover the generation, transmission, and distribution of electric power, and its various applications. In the laboratory a study of dynamos is followed in the fourth year by experiments in the operation of electrical machinery. Investigation of problems of power distribution is made in advanced laboratory and thesis work.

Equipment

The 850 kilowatt power plant of the University supplies the electrical engineering laboratory with power for its operation.

The power equipment in the electrical engineering laboratory includes one hundred direct-current machines with a total capacity of 600 kilowatts, forty alternating current

machines with a total capacity of 400 kilowatts, and sixty-three transformers with a total capacity of 380 kilowatts. Experimental switchboards containing a total of 30 panels afford distribution and control.

The instrument room contains standards for the calibration of commercial instruments of all types, 250 portable instruments for experimental work, and a 240 ampere-hour storage battery. The graduate laboratory contains apparatus for research including four oscillographs, one 2,000-cycle alternator, one 200,000-volt transformer, one 1,000-ampere direct current generator, and apparatus for high voltage direct current investigations. The photometer room contains apparatus for tests of the various light sources. Two special 100-line switchboards are connected with cables and apparatus for experiments in telephony. The equipment for electrometallurgical work includes one 30-kilowatt induction furnace, one 25-kilowatt arc furnace, two 30-kilowatt resistance furnaces, one 15-kilowatt vacuum furnace for melting, one 3-kilowatt vacuum furnace for annealing and one 1.5-kilowatt muffle furnace.

MECHANICAL ENGINEERING

The courses in the Department of Mechanical Engineering are planned to present the theory and practise of the generation and transmission of power, and of the design, construction, operation, and testing of machinery of all kinds. In the laboratories emphasis is given to the engineering and economic principles of machine construction and to problems of scientific shop management.

Equipment

The Designing Rooms are supplied with drawing tables, reference books, files of trade catalogs, gear charts, and collections of blue prints. A collection of kinematic models, sectional steam specialties, lantern slides, and photographs is also available.

The Mechanical Engineering Laboratory is equipped with machines and testing instruments for instruction in steam engineering, gas power engineering, refrigeration, heating and ventilation. The equipment includes a 210-horsepower experimental boiler, with chain-grate stoker, fuel economizer, and induced draft; a separately fired steam superheater; types of throttling, high-speed automatic, and Corliss steam engines; steam condensers; a compound two-stage air compressor; a large compound duplex steam pump; a Kerr steam turbine; a 200,000-pound Lea water-flow; a 10-ton ammonia compression refrigerating machine; a 10-ton ammonia absorption refrigerating machine; typical gas, gasoline, and oil engines; a 50-horsepower suction gas producer, house-heating boilers and furnaces; a 150-horsepower electric absorption and transmission dynamometer; and apparatus for instruction in heating and ventilation and the mechanical equipment of buildings. The central heating and power plant contains types of boilers, stokers, pumps, and engines in commercial service.

The Shop Laboratories are provided with machinery and apparatus to illustrate the process of the manufacture of machinery. The laboratories include the *Pattern Laboratory* with an equipment of benches, lathes, machinery, and small tools needed in pattern construction; the *Foundry Laboratory* equipped with cupola, brass furnaces, core ovens, moulding machines, and facilities for bench and floor moulding; the *Forge Laboratory* equipped with forges, anvils and small tools, a steam hammer, a power-driven punch and shear, and with gas and electric furnaces; and the *Machine Laboratory* with an equipment of lathes, planers, shapers, milling machines, grinders, boring mills, drill presses, and with typical small tools and fixtures used in manufacturing.

MECHANICS, THEORETICAL AND APPLIED

The courses in theoretical and applied mechanics are designed to meet the needs of students of engineering.

The Laboratory of Applied Mechanics comprises the materials testing laboratory and the hydraulics laboratory. The equipment of the *Materials Testing Laboratory* includes testing machines and apparatus for making physical tests of materials of construction, such as tension, compression, flexure, shearing, torsion, hardness, and impact tests, and tests under repeated load. The laboratory contains machines of capacity for testing full size structural and machine members. Among these there is a universal machine of six hundred thousand pounds capacity. Facilities are provided for making, curing, and testing concrete and reinforced concrete test specimens. The *Hydraulics Laboratory* has facilities for furnishing water under a range of pressures and volumes. There is an equipment

of devices for measuring and recording the flow of water, including measuring pits, water meters, weir channels, nozzles, pitometer, and Venturi meters. In the equipment are pumps, a stand-pipe, water motors, and a turbine water wheel for testing purposes. A supply of pressure gauges, weighing scales, and other auxiliary apparatus is provided.

MINING ENGINEERING

The Department of Mining Engineering offers courses of instruction in mining and metallurgical engineering to train men for the various phases of the mineral industry.

The work of the department adds to the preliminary courses in mathematics, languages, chemistry, physics, and general engineering, that are common to all courses in engineering, specialized work in mine surveying, mining methods, geology, prospecting, mine examination and valuation, ventilation, mining machinery, coal washing and ore concentration, metallurgy, utilization of fuels, administration and organization of mines, mining law, and the design of mining and metallurgical structures.

There are three distinct options, coal mining, ore mining, and metallurgical engineering, and by means of the electives offered, a student can also specialize along the geological phases of mining, including work in oil prospecting and development.

In addition to its work of instruction, the department concerns itself with the development and dissemination of scientific facts of service in improving the practise of mining with reference to efficiency in operation, the security of life in the mines, and the conservation of the mineral resources of the State.

Equipment

The drawing room contains the catalogs of the manufacturers of mining machinery with a complete card index, the standard reference books on mine and mill design, and an unusually complete collection of photographs, blue-prints and drawings of mines, mine structures, and ore and coal preparation, and metallurgical plants.

The mine-gas and safety lamp laboratory contains safety lamps of different types, electric and magnetic locking appliances, a photometer, a dark room for photometric work, Ryan, Oldham, and Hailwood safety-lamp testing apparatus, appliances for gas and dust analysis and explosibility tests, and a Bacharach hydro volume and pressure recorder.

A centrifugal fan 3-feet in diameter is connected to 500-feet of ventilating ducts arranged in three parallel lines so that the effects of splitting the air in various ways may be demonstrated. The same equipment is used for experimental work in mine ventilation.

The coal washing and ore dressing laboratory contains for crushing, rolls, gyratory and jaw crushers, and a 500-pound 3-stamp battery; for screening and sizing, trommels, shaking and vibrating screens, and classifiers; for concentrating and cleaning, pan, piston and pulsating jigs, bumping table, vanner, sand, concentrating tables and slimer. These machines can handle 3 to 5 tons of coal and one ton of ore an hour. There are also a complete sampling and drying equipment, a cyanide testing plant, a Huff electrostatic machine, flotation units, a magnetic separator and other appliances used for preliminary testing. Adjoining this laboratory is a chemical and assay laboratory equipped for the analytical work required in connection with coal washing and ore concentration.

The explosives and drilling laboratory contains types of rock and coal drills, an air meter, a diamond drill, chain and puncher, coal cutters, and a complete outfit for demonstrating the use of explosives.

MUNICIPAL AND SANITARY ENGINEERING

The curriculum in the Department of Municipal and Sanitary Engineering is designed to train students for the duties of the engineer employed on the design, construction, and operation of public works and public utilities, and for general engineering work.

The methods of training are intended to develop power to take up and solve new problems connected with municipal public works, as well as to design and to superintend the ordinary constructions. Surveying, structural materials, and structural design are taught as in the civil engineering curriculum. Chemistry and bacteriology of water supply and sewage disposal are given; and there is instruction in mechanical and electrical engineering in the generation and transmission of power.

The hydraulic laboratory is well equipped with apparatus illustrating the laws of hydraulics as applied in waterworks and sewerage practise, and it also contains a small rapid sand filter, a small slow sand filter, several arrangements of dosing siphons. Research equipment in plumbing devices and installations is provided. Opportunities for

practise and study are provided at the filter plant of the Champaign and Urbana Water Company, and at the University experimental sewage treatment plant.

PHYSICS

The Department of Physics occupies the Laboratory of Physics. This building supplies facilities and equipment for instruction and investigation in physics. Gas, distilled water, compressed air and vacuum, and direct and alternating electric currents are available in all parts of the building. There is a collection of over 4,000 pieces of apparatus, and only a small part of the equipment is antiquated. New investigations can usually be started with the apparatus on hand. There are two workshops, one for advanced students and instructors, and one for the mechanicians of the department. The students' shop is equipped with lathes, drill press, and bench tools. The mechanicians' shop contains lathes, milling machines, drill press, and other facilities for fine machine work.

The University Library contains sets of journals of physics and the related sciences in English, French, and German. The recent volumes of the physical journals, together with a collection of text-books, encyclopedias, dictionaries, and other reference books, are in the special library of the Laboratory.

RAILWAY ENGINEERING

The Department of Railway Engineering is organized to train students for service in the technical departments of railways. It offers curricula in railway civil engineering, railway electrical engineering, and railway mechanical engineering, all three of which are substantially the same as the corresponding civil, electrical, and mechanical engineering curricula to the end of second year, after which is given in each course a group of subjects relating to the technical problems of steam or electric railways. The curricula in railway civil and railway mechanical engineering are designed for those who wish to enter steam railway service in the engineering and motive power departments respectively, while the curriculum in railway electrical engineering is intended for those who will serve on electric railways or in the electrical departments of steam roads. The special subjects of the curriculum in railway civil engineering concern the location, design, construction, and maintenance of railway track and equipment, and the design of railway structures. The courses in railway electrical engineering deal with the design and construction of electric railway equipment, the operation and performance of electric cars and locomotives and with the problems which arise in the electrification of steam lines. The curriculum in railway mechanical engineering adds to the fundamentals of the general mechanical engineering curriculum special railway courses on the design of locomotives and cars, the resistance of trains, the performance and tests of locomotives, and tests of railway equipment.

Equipment

A locomotive testing plant, built from the original designs of the department, is devoted exclusively to making tests to determine the performance of locomotives. The locomotives tested have, for the most part, been furnished by certain railroad companies. Permanent arrangements are contemplated under which it may be possible to maintain in the plant a locomotive of the latest design.

For purposes of instruction a light freight locomotive is permanently available in this laboratory. This locomotive, donated to the department by the Illinois Central Railroad, is of the mogul type with simple cylinders using saturated steam.

The department owns and operates, jointly with the Illinois Central Railroad, a railway test car designed for experimental work on steam roads. It is equipped for making train resistance and locomotive performance tests, and during the last twenty years has been in frequent operation in carrying on resistance and tonnage rating tests on the Illinois Central Railroad and on several eastern roads.

For work on electric roads the department owns an electric test car, of the interurban type, designed and built for the University. It is equipped with four 50-horsepower direct current motors and with the Westinghouse multiple control system, and is provided with instruments for recording power, speed, acceleration, and the other data needed in road tests, and for measuring and recording the electric resistance of rail bonds. Through the courtesy of the Illinois Traction System this car is operated on its lines, which enter the campus of the University.

The department laboratory equipment includes a drop-testing machine and a brake-shoe testing machine, both constructed in accordance with the standards of the Master

Car Builders' Association. The drop-testing machine is designed for use in testing the strength of railroad rails, car axles, car couplers, and draft gears; and may be used in studies of the physical properties of structural materials of any sort. The brake shoe-testing machine supplies means for determining the wearing properties and frictional qualities of brake-shoes, such as are employed in regular service on railroad trains.

Much of the work in the railway courses is given in the departments of civil, electrical, and mechanical engineering, and the shop and laboratory equipment of these departments is available for students in the railway department.

Three steam roads—the Illinois Central, the Cleveland, Cincinnati, Chicago & St. Louis, and the Wabash railroads; and two electric interurban roads—the Illinois Traction System and the Kankakee and Urbana railway—enter Champaign and Urbana. The department is afforded by them opportunities for practical road tests and field work.

ENGINEERING FOUNDATION AND NATIONAL RESEARCH COUNCIL COOPERATIVE FUNDS FOR INVESTIGATION OF FATIGUE OF METALS

A fund has been given to the University by the National Research Council and the Engineering Foundation to be used for an investigation on the fatigue phenomena of metals.

GENERAL ENGINEERING LECTURES FOR FRESHMEN

One general lecture, sufficiently popular in character to interest and inspire young students, will be given each week. All freshmen engineering students are required to attend this lecture.

TRIPS OF INSPECTION

Students in the College of Engineering are required to make a trip of inspection during their senior year. Such trips supply an opportunity to inspect the work of industrial establishments and of engineering enterprises. They usually occupy from three to four days, and are taken during term time, under the supervision of University authorities. They involve an expense of approximately \$25 to \$30 to each student. For the year 1922-23, the trips occurred on October 26-28, 1922.

No student not in line for graduation shall be permitted to go on the annual inspection trip of the College of Engineering without the approval of the General Committee on Inspection Trips.

NON-TECHNICAL ELECTIVES

The non-technical electives for students in the College of Engineering are subject to the following restrictions:

1. They are restricted to courses offered in the College of Liberal Arts and Sciences and in the College of Commerce, and courses 1 to 10 in Music.
2. Such courses must not be open to freshmen students.
3. The courses must be approved by the head of the department in which the student making the election is registered.
4. Students in the College of Engineering electing the third and fourth years' work in the Reserve Officers' Training Corps may substitute the hours of credit thus received for a corresponding number of hours of the required non-technical electives.

RHETORIC PREREQUISITE FOR JUNIOR STANDING

Rhetoric 1 and 2 are prerequisites for junior standing in the College of Engineering, and no student in this College shall be permitted to register in more than eight hours of prescribed junior work without having passed or being registered in Rhetoric 1 or 2.

THESES

Theses are required of students in the Department of Ceramics and may be elected by students in other departments with the approval of the head of the department concerned. Only students of high standing are allowed to elect theses.

CURRICULA AND DEGREES

The curricula leading to the degree of Bachelor of Science in the College of Engineering are given herewith. Each of the twelve curricula given may ordinarily be completed in a period of four years.

A graduate of the University of Illinois in architectural, ceramic, civil, electrical, mechanical, mining, municipal and sanitary, or railway engineering may receive the degree of an allied curriculum on the completion of from thirty to thirty-six semester hours of work approved by the faculty. This work may ordinarily be done in one academic year.

A graduate of the College of Liberal Arts and Sciences of the University of Illinois, or of any college of equal standing, whose mathematical training includes the calculus, who has had an acceptable course in physics, and sufficient training in mechanics to enable him to begin the mechanics of the junior year, may receive the degree of Bachelor of Science in Engineering on the completion of sixty-eight credit hours of work in engineering under the direction of the faculty. This work may be ordinarily done in two academic years. Candidates for the degree in the department of architecture are not required to be prepared in calculus or mechanics, but should have special preparation in drawing.

Curriculum in Architecture

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Arch. 31—Arch. and Freehand Drawing	4	Arch. 32—Arch. and Freehand Drawing	4		
G. E. D. 2—Descriptive Geometry	4	Chem. 1a or 1b—Inorganic Chemistry	3 or 4		
Math. 2—Advanced Algebra	3	T. and A. M. 14—Elementary Mechanics	4		
Math. 4—Trigonometry	2	Rhet. 2—Rhetoric and Themes	3		
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1		
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Mil. 2a and 2b, 12a and 12b, 22a and 22b, 32a and 32b, or 52a and 52b—Military Drill and Theory	1		
Hyg. 1—Hygiene (Men)	$\frac{1}{2}$	Eng. Lecture	0		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, 31a and 31b, or 51a and 51b—Military Drill and Theory	1				
Eng. Lecture	0				
Total	18	Total	16-17		
SECOND YEAR		THIRD YEAR		FOURTH YEAR	
Arch. 13—History of Architecture	2	Arch. 14—History of Architecture	2	Arch. 27—Freehand Drawing	2
Arch. 23—Freehand Drawing	2	Arch. 24—Freehand Drawing	2	Arch. 37—Design	7
Arch. 33—Design	3	Arch. 34—Design	3	Arch. 68—Specifications	3
Arch. 43—Technology of Materials	3	Arch. 44—Technology of Materials	3	Arch. 99—Inspection Trip	0
Phys. 9a—Physics Lectures	2	Phys. 9b—Physics Lectures	2	M. E. 25—Heating and Ventilation	2
Phys. 10a—Physics Laboratory	2	Phys. 10b—Physics Laboratory	2	Non-technical Elective	3
T. and A. M. 15—Strength of Materials	3	T. and A. M. 16—Strength of Materials	3		
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1		
Total	18	Total	18		
THIRD YEAR		FOURTH YEAR		FOURTH YEAR	
Arch. 15—History of Architecture	2	Arch. 16—History of Architecture	2	Arch. 18—History of Architecture	2
Arch. 25—Freehand Drawing	2	Arch. 26—Freehand Drawing	2	Arch. 28—Freehand Drawing	2
Arch. 35—Design	5	Arch. 36—Design	5	Arch. 38—Advanced Design or Thesis	7
Arch. 45—Graphic Statics	3	Arch. 46—Roofs	3	Arch. 60A—Special Lectures	2
Arch. 65—Theory of Architecture	1	Arch. 55—Building Sanitation	1	Arch. 67—Theory of Form and Color	2
E. E. 90—Building Illumination	1	Arch. 66—Theory of Architecture	1	Non-technical Elective	3
French or German	4	French or German	4		
Total	18	Total	18		
FOURTH YEAR		FOURTH YEAR		FOURTH YEAR	
Arch. 27—Freehand Drawing	2	Arch. 18—History of Architecture	2	Arch. 18—History of Architecture	2
Arch. 37—Design	7	Arch. 28—Freehand Drawing	2	Arch. 28—Freehand Drawing	2
Arch. 68—Specifications	3	Arch. 38—Advanced Design or Thesis	7	Arch. 38—Advanced Design or Thesis	7
Arch. 99—Inspection Trip	0	Arch. 60A—Special Lectures	2	Arch. 60A—Special Lectures	2
M. E. 25—Heating and Ventilation	2	Arch. 67—Theory of Form and Color	2	Arch. 67—Theory of Form and Color	2
Non-technical Elective	3	Non-technical Elective	3	Non-technical Elective	3
Total	17	Total	18	Total	18

¹Semester hours. For definition, see page 209.

Curriculum in Architectural Engineering

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Chem. 1a or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4		
G. E. D. 1—Elements of Drafting	4	G. E. D. 2—Descriptive Geometry	4		
Math. 2—Advanced Algebra	3	Math. 6—Analytic Geometry	5		
Math. 4—Trigonometry	2	Rhet. 2—Rhetoric and Themes	3		
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1		
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Mil. 2a and 2b, 12a and 12b, 22a and 22b, 32a and 32b, or 52a and 52b—Military Drill and Theory	1		
Hyg. 1—Hygiene (Men)	$\frac{1}{2}$	Eng. Lecture	0		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, 31a and 31b, or 51a and 51b—Military Drill and Theory	1				
Eng. Lecture	0				
Total	17-18	Total	18		
SECOND YEAR		THIRD YEAR		FOURTH YEAR	
Arch. 13—History of Architecture	2	Arch. 16—History of Architecture	2	A. E. 47—Architectural Engineering	5
A. E. 33—Arch. and Freehand Drawing	3	A. E. 34—Design	3	A. E. 57—Fireproof Construction	2
A. E. 43—Technology of Materials	2	A. E. 44—Technology of Materials	2	A. E. 99—Inspection Trip	0
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3	E. E. 92—Lighting and Wiring	2
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2	M. E. 23—Mechanical Equipment of Buildings	5
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2	Non-technical Elective ³	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1	T. and A. M. 20—Analytical Mechanics	3	Total	16
Total	18	Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1	Total	18
		Total	18		
THIRD YEAR		FOURTH YEAR		FOURTH YEAR	
Arch. 15—History of Architecture	2	Arch. 16—History of Architecture	2	A. E. 48—Architectural Engineering	5
A. E. 35—Design	3	A. E. 36—Design	3	A. E. 58—Fireproof Construction	2
A. E. 45—Graphic Statics	3	A. E. 46—Graphic Statics	3	A. E. 67—Building Sanitation	2
Language ²	4	Language ²	4	A. E. 68—Estimates and Specifications	4
T. and A. M. 25—Resistance of Metals	4	T. and A. M. 26—Analytical Mechanics and Hydraulics	4	Approved Technical Elective	5
Non-technical Elective ³	2	Non-technical Elective ³	2		
Total	18	Total	18		
FOURTH YEAR		FOURTH YEAR		FOURTH YEAR	
A. E. 47—Architectural Engineering	5	A. E. 48—Architectural Engineering	5	A. E. 48—Architectural Engineering	5
A. E. 57—Fireproof Construction	2	A. E. 58—Fireproof Construction	2	A. E. 58—Fireproof Construction	2
A. E. 99—Inspection Trip	0	A. E. 67—Building Sanitation	2	A. E. 67—Building Sanitation	2
E. E. 92—Lighting and Wiring	2	A. E. 68—Estimates and Specifications	4	A. E. 68—Estimates and Specifications	4
M. E. 23—Mechanical Equipment of Buildings	5	Approved Technical Elective	5	Approved Technical Elective	5
Non-technical Elective ³	2				
Total	16	Total	18	Total	18

Curriculum in Ceramics

This curriculum is designed for the training of ceramic chemists.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Chem. 1a or 1b—Inorganic Chemistry	3 or 4	Chem. 3a—Qualitative Analysis	5		
Math. 2—College Algebra	3	Math. 6a—Analytical Geometry	4		
Math. 4—Trigonometry	2	German or French	4		
German or French	4	Rhet. 2—Rhetoric and Themes	3		
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1		
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Mil. 2a and 2b, 12a and 12b, 22a and 22b, 32a and 32b, or 52a and 52b—Military Drill and Theory	1		
Hyg. 1—Hygiene (Men)	$\frac{1}{2}$	Eng. Lecture	0		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, 31a and 31b, or 51a and 51b—Military Drill and Theory	1				
Eng. Lecture	0				
Total	17 or 18	Total	18		

¹Semester hours. For definition, see page 209.

²French, German, Spanish or English.

³Any approved non-technical course. See page 132.

SECOND YEAR

Chem. 5a—Quantitative Analysis	5	Chem. 5b—Quantitative Analysis	5
Math. 8a—Differential Calculus	3	Math. 8b—Integral Calculus	3
Phys. 1a—Physics Lecture	3	Phys. 1b—Physics Lecture	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Cer. 1—Ceramic Materials	3	Cer. 2—Winning and Preparation of Clays or (Elective) ²	3
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
		Elective ²	3
Total	17	Total	19

THIRD YEAR

Cer. 12—Designing and Shaping	3	Cer. 3—Industrial Calculations	3
Chem. 65—Gas and Fuel Analysis	2	Cer. 5—Ceramic Bodies	5
Geol. 20—General Mineralogy	3	Chem. 9—Organic Chemistry	3
Chem. 7—Metallurgy	3	Chem. 9c—Organic Chemistry Lab.	2
E. E. 8—Electric Currents (or elective) ²	3	Chem. 31—Physical Chemistry	3
E. E. 68—Electrical Engr. Lab. (or Elective) ²	1	Chem. 33—Physical Chemistry Lab.	2
Electives ²	3		
Total	18	Total	18

FOURTH YEAR

Ceramic 4c—Drying and Burning	5	Chem. 6—Chemical Technology	3
Cer. 6—Glazes	6	Chem. 61—Industrial Chemistry Lab.	3
Cer. 17a—Selected Ceramic Problems	1	Thesis	4 or 5
Cer. 99—Inspection Trip	0	Elective ²	6 or 5
Elective ²	6		
Total	18	Total	16

Curriculum in Ceramic Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Cer. 1—Ceramic Materials	3	Cer. 2—Winning and Preparation of Clays	3
Chem. 5a—Quantitative Analysis	5	Chem. 5b—Quantitative Analysis	5
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lecture	3	Phys. 1b—Physics Lecture	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1	T. and A. M. 20—Analytical Mechanics	3
		Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
Total	19	Total	19

THIRD YEAR

Cer. 12—Designing and Shaping	3	Cer. 3—Industrial Calculations	3
Chem. 65—Gas and Fuel Analysis	2	Cer. 5—Ceramic Bodies	5
French or German	4	C. E. 36—Surveying	2
T. and A. M. 21—Analytical Mechanics	2	French or German	4
T. and A. M. 25—Resistance of Materials	4	Elective ²	3
Elective ²	3		
Total	18	Total	17

FOURTH YEAR

Cer. 4c—Drying and Burning	5	Cer. 9—Ceramic Construction	4
Cer. 6—Glazes	6	M. E. 62—Power Measurement	3
Cer. 17a—Selected Ceramic Problems	1	Thesis or (with the approval of the Department) Technical Elective	3-5
Chem. 31—Physical Chemistry	3	Elective ²	5-3
Cer. 99—Inspection Trip	0		
Elective ²	3		
Total	18	Total	15

¹Semester hours. For definition, see page 209.

²At least 6 hours of these electives must be in approved non-technical courses. See page 132.

Curriculum in Civil Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
C. E. 27—Plane Surveying	3	C. E. 28—Topographic	3
Language ²	4	Language ²	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lecture	3	Phys. 1b—Physics Lecture	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1	T. and A. M. 20—Analytical Mechanics	3
		Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
Total	18	Total	18

THIRD YEAR

C. E. 51—Railroad Surveying	5	Non-technical Electives ³	3
M. E. 1—Steam Engines and Boilers	3	C. E. 54—Roads and Pavements	4
T. and A. M. 21—Analytical Mechanics	2	C. E. 60—Structural Stresses	4
T. and A. M. 29—Resistance of Materials	5	C. E. 62—Structural Details	2
Non-technical Electives ³	3	C. E. 70—Seminar	1
		T. and A. M. 10—Hydraulics	3
Total	18	Total	17

FOURTH YEAR

The student must elect one of the three options.

I. General Option⁴

C. E. 57—Hydrology	2	C. E. 78—Drainage Engineering	3
C. E. 75—Masonry Construction	3	C. E. 80—Contracts and Specifications	2
C. E. 81—Theory of Reinforced Concrete	2	C. E. 82—Reinforced Concrete Design	4
C. E. 85—Bridge Design	5	C. E. 84—Valuations and Rates	2
C. E. 95—Plain Concrete	2	M. and S. E. 3—Sewerage	3
C. E. 99—Inspection Trip	0	Non-technical Electives ³	3
M. and S. E. 2—Water Supply Engineering	4		
Total	18	Total	17

II. Structural Option⁴

C. E. 81—Theory of Reinforced Concrete	2	C. E. 80—Contracts and Specifications	2
C. E. 84—Valuations and Rates	2	C. E. 75—Masonry Construction	3
C. E. 95—Plain Concrete	2	C. E. 82—Reinforced Concrete Design	4
C. E. 85—Bridge Design	5	C. E. 92—Advanced Bridge Analysis	2
C. E. 91—Advanced Bridge Analysis	3	E. E. 4 and 64—Electric Engineering	3
C. E. 99—Inspection Trip	0	Non-technical Electives ³	3
M. and S. E. 2—Water Supply Engineering	4		
Total	18	Total	17

III. Highway Option⁴

C. E. 57—Hydrology	2	C. E. 80—Contracts and Specifications	2
C. E. 81—Theory of Reinforced Concrete	2	C. E. 82—Reinforced Concrete Design	4
C. E. 85—Bridge Design	5	C. E. 94—Highway Administration	3
C. E. 93—Highway Design	3	C. E. 96—Road Materials	2
C. E. 95—Plain Concrete	2	Min. 2—Mining Principles	3
C. E. 99—Inspection Trip	0	Non-technical Electives ³	3
M. and S. E. 2—Water Supply Engineering	4		
Total	18	Total	17

¹Semester hours. For definition, see page 209.

²French, German, Spanish or English.

³Any approved non-technical course. See page 132.

⁴C. E. 97-98 (Thesis) may be substituted for a technical subject in any of the three options of the senior year upon approval of the Head of the Department. Only students of high standing are permitted to take a thesis. *Prerequisite:* Senior standing in Civil Engineering. I, (1); II, (2 or 3).

Curriculum in Electrical Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

FIRST SEMESTER		SECOND YEAR	
	Hours ¹		Hours ¹
Language ²	4	Language ²	4
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
M. E. 85—Pattern and Foundry Laboratory.....	3	M. E. 86—Pattern and Foundry Laboratory.....	3
Phys. 1a—Physics Lectures.....	3	Phys. 1b—Physics Lectures.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, 43a and 43b, or 53a and 53b—Military Drill and Theory.....	1	T. and A. M. 20—Analytical Mechanics.....	3
		Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, 44a and 44b, or 54a and 54b—Military Drill and Theory.....	1
Total.....	18	Total.....	18
THIRD YEAR		FOURTH YEAR	
E. E. 25—Direct Current Apparatus.....	4	E. E. 26—Alternating Currents.....	4
E. E. 75—Elec. Eng. Laboratory.....	2	E. E. 76—Elec. Eng. Laboratory.....	2
Math. 9a—Integral Calculus.....	2	M. E. 10—Thermodynamics.....	3
M. E. 87—Machine and Forge Laboratory.....	3	Phys. 41b—Elec. and Mag. Measurement.....	4
Phys. 44a—Elec. and Mag. Measurement.....	3	T. and A. M. 26—Anal. Mechanics and Hydraulics.....	4
T. and A. M. 25—Resistance of Materials.....	4	Non-technical Electives ³	3
Total.....	18	Total.....	18
E. E. 99—Inspection Trip.....	0	E. E. 96—Seminar.....	1
E. E. 95—Seminar.....	1	E. E. 97—Alternating Current Apparatus.....	4
E. E. 35—Alternating Current Apparatus.....	2	E. E. 86—Elec. Eng. Laboratory.....	2
E. E. 85—Elec. Eng. Laboratory.....	4	E. E. 56—Electrical Design.....	4
E. E. 55—Electrical Design.....	2	E. E. 98—Thesis ⁴ or Elective.....	3
M. E. 61—Power Measurement.....	3	Non-technical Elective ³	3
M. E. 3—Steam Engineering.....	3		
Non-technical Elective ³	3		
Total.....	17	Total.....	17

Curriculum in General Engineering

The curriculum in general engineering is intended for students who do not wish to pursue the more specialized engineering curricula, but who, however, wish to secure fundamental training in engineering principles. Its object is to fit men for executive or administrative positions in large organizations where questions of organization, production, and distribution may be considered the chief functions of the executive. This curriculum furnishes an excellent foundation for work with the technical press, or sales work in foreign countries. It also forms an excellent basis for work in engineering organizations of insurance, banking, and similar companies. The degree of Bachelor of Science in General Engineering is awarded on its completion.

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

FIRST SEMESTER		SECOND YEAR	
	Hours ¹		Hours ¹
Econ. 1—Principles of Economics.....	5	Econ. 3—Money and Banking.....	3
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
M. E. 85—Pattern and Foundry Laboratory.....	3	C. E. 34—Plane and Topographic Surveying.....	3
Phys. 1a—Physics Lecture.....	3	Phys. 1b—Physics Lecture.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory.....	1	T. and A. M. 20—Analytic Mechanics.....	3
		Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory.....	1
Total.....	19	Total.....	17

¹Semester hours. For definition, see page 209²French, German, Spanish or English³Any approved non-technical course. See page 132⁴Only high grade students are allowed to take a Thesis.

THIRD YEAR

Econ. 35—Corporations	3	Bua. Law 2—Contracts, etc.....	3
E. E. 11—Direct Current Apparatus	3	E. E. 12—Alternating Current Apparatus ..	3
E. E. 61—Direct Current Laboratory	1	E. E. 62—Alternating Current Laboratory ..	1
Language ¹ or Approved Elective ²	4	Language ¹ or Approved Elective ²	4
M. E. 87—Machine and Forge Laboratory ..	3	M. E. 10—Thermodynamics	3
T. and A. M. 25—Resistance of Materials...	4	T. and A. M. 26—Analytic Mechanics and Hydraulics	4
Total	18	Total	18

FOURTH YEAR

Chem. 7—Metallurgy of Iron and Steel	3	Math. 23—Averages and Mathematics in In- vestments or	
Econ. 41—Labor Problems or		Geol. 43—Engineering Geology	3
Econ. 43—Personnel Administration	3	Econ. 42—Labor Legislation or	
Language ¹ or Approved Elective ²	4	Econ. 29—Foreign Commerce	3
M. E. 3—Steam Engineering	3	M. E. 64—Power Measurement	3
C. E. 88—Stresses in Structures	4	Language ¹ or Approved Elective ²	4
C. E. 99—Inspection Trip	0	C. E. 90—Structural Design	4
Total	17	Total	17

Curriculum in Mechanical Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER	Hours ³	SECOND SEMESTER	Hours ³
Language ¹	4	Language ¹	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
M. E. 85—Pattern and Foundry Laboratory ..	3	M. E. 86—Pattern and Foundry Laboratory ..	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1	T. and A. M. 20—Analytical Mechanics	3
Total	18	Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
		Total	18

THIRD YEAR

M. E. 13—Thermodynamics	3	M. E. 4—Steam Engineering	3
M. E. 31—Mechanics of Machinery	5	M. E. 14—Thermodynamics	3
M. E. 87—Machine and Forge Laboratory ..	3	M. E. 40—Mechanical Engineering Design ..	3
T. and A. M. 21—Analytical Mechanics	2	M. E. 64—Steam Power Laboratory	3
T. and A. M. 29—Resistance of Materials ..	5	M. E. 88—Machine and Forge Laboratory ..	3
Total	18	Non-technical Elective ⁴	3
		Total	18

FOURTH YEAR

E. E. 11—D. C. Apparatus	3	E. E. 12—A. C. Apparatus	3
E. E. 61—D. C. Laboratory	1	E. E. 62—A. C. Laboratory	1
M. E. 5—Steam Engineering	3	M. E. 28—Heating and Ventilation	4
M. E. 17—Refrigeration Engineering		M. E. 15—Heat Engineering	
M. E. 33—Aeronautical Engineering	3	M. E. 34—Aeronautical Engineering	3
M. E. 37 ⁵ —Principles of Management		M. E. 37 ⁵ —Principles of Management	
M. E. 41—Mechanical Engineering Design ..	4	Chem. 16—Engineering Chemistry	
M. E. 65—Heat and Power Laboratory	3	M. E. 52—Power Plant Design	3
M. E. 99—Inspection Trip	0	Non-technical Elective ⁴	3
Total	17	Total	17

¹French, German, Spanish, or English.

²Any course of Sophomore grade in the College of Engineering, Liberal Arts and Sciences, or Commerce; and Accountancy 1a and 1b.

³Semester hours. For definition, see page 209.

⁴Any approved non-technical course. See page 132.

⁵M. E. 37 is required of all students.

Curriculum in General Engineering Physics (Leading to the Degree of B.S.)

The object of the curriculum in general engineering physics is to fit persons for investigations of general engineering problems calling for a knowledge of physics and mathematics. Students who expect to teach physics and allied subjects in engineering schools will also find this curriculum of interest.

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER

	Hours ¹
German 1—Elementary German or French 1a	4
Math. 7—Differential Calculus	5
Chem. 5d—Elementary Quantitative Analysis	3
Phys. 1a—Physics Lectures	3
Phys. 3a—Physics Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1
Total	19

SECOND SEMESTER

	Hours ¹
Math. 9—Integral Calculus	3
German 3—Narrative Prose—or French	4
Chemistry (Elective)	3
Phys. 1b—Physics Lecture	2
Phys. 3b—Physics Laboratory	2
T. and A. M. 20—Analytical Mechanics	3
Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
Total	18

THIRD YEAR

Math. 9a—Advanced Calculus	2
Phys. 44a—Elec. and Mag. Measurements ..	3
Phys. 23 and 33—Sound	3
E. E. 25—D. C. Theory	4
E. E. 75—D. C. Laboratory	2
T. and A. M. 25—Resistance of Materials ..	4
Total	18

Phys. 44b—Elec. and Mag. Measurements ..	2
Phys. 17 and 37—Light or Phys. 16 and 36 Heat	3
M. E. 62—Power Measurement	3
E. E. 26—Alternating Current Theory	4
E. E. 76—Alternating Current Laboratory ..	2
Electives ²	4
Total	18

FOURTH YEAR

Phys. 14a—Dynamics	3
Phys. 31a—Special Investigation	3
Math. 16—Adv. Cal. and Diff. Equations ..	3
M. E. 13—Thermodynamics	3
Physics Colloquium	0
Electives ²	5
Total	17

Math. 17—Differential Equations	3
Phys. 24 and 27—Properties of Matter or Phys. 30—Introduction to Theoretical Electricity	3
Phys. 31b—Thesis ³	3
Chem. 31—Physical Chemistry	4
Elective ²	4
Total	17

Curriculum in Mining Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER

	Hours ¹
Language ⁴	4
Math. 7—Differential Calculus	5
Phys. 1a—Physics Lectures	3
Phys. 3a—Physics Laboratory	2
Min. 1—Earth and Rock Excavation	3
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1
Total	18

SECOND SEMESTER

	Hours ¹
Language ⁴	4
Math. 9—Integral Calculus	3
Phys. 1b—Physics Lectures	2
Phys. 3b—Physics Laboratory	2
T. and A. M. 20—Analytical Mechanics	3
Geol. 20—Mineralogy	3
Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
Total	18

THIRD YEAR

Coal and Ore Option

Chem. 5a—Quantitative Analysis	5
T. and A. M. 25—Resistance of Materials ..	4
Geol. 43—Engineering Geology	3
Min. 61—Elementary Mine Surveying	3
Min. 10—Electrical Engineering of Mines ..	3
Total	18

Min. 4—Mining Methods	3
T. and A. M. 26—Analytical Mechanics and Hydraulics	4
C. E. 58—Graphic Statics	2
M. E. 62—Power Measurements and Steam Engines	3
Min. 62—Mine Surveying	3
Non-technical Elective ⁵	3
Total	18

¹Semester hours. For definition, see page 209.

²At least nine hours of electives must be non-technical, and the number selected should be such as to give a total of 141 or 142 semester hours, depending upon whether Chem. 1a or 1b is taken.

³Only students having high grades may elect a thesis.

⁴French, German, Spanish or English.

⁵Any approved non-technical course. See page 132.

THIRD YEAR			
<i>Metallurgical Option</i>			
Chem. 5a—Quantitative Analysis	5	Min. 14—Non-Ferrous Ore Treatment	3
Chem. 7—Metallurgy	3	Chem. 5b—Quantitative Analysis	5
T. and A. M. 25—Resistance of Materials	4	T. and A. M. 26—Analytical Mechanics and Hydraulics	4
Geol. 43—Engineering Geology	3	C. E. 58—Graphic Statics	2
Min. 61—Elementary Mine Surveying	3	M. E. 62—Power Measurements and Steam Engines	3
Total	18	Total	17
FOURTH YEAR			
<i>Coal Mining Option</i>			
Chem. 7—Metallurgy	3	Min. 13—Utilization of Fuels	2
Chem. 65—Technical Gas and Fuel Analysis	2	Min. 15a—Ventilation	2
Min. 9—Coal and Ore Preparation	3	Min. 64—Coal and Ore Preparation Laboratory	3
Min. 8—Mine Law, Adm. and Accounts	3	Min. 42—Mining Design	2
Min. 41—Principles of Mining Design	3	Min. 21a—Examination, Valuation and Reporting	3
Min. 99—Inspection Trip	0	Min. 90—Mining and Metallurgical Reports	1
Non-technical Elective ¹	3	Min. 6—Mechanical Engineering of Mines	3
Min. 17—Mining Problems	1	Total	16
Total	18	Total	16
FOURTH YEAR			
<i>Ore Mining Option</i>			
Chem. 7—Metallurgy	3	Min. 21a—Examination, Valuation and Reporting	3
Min. 69—Metallurgical Laboratory and Assaying	2	Min. 15a—Mine Ventilation	2
Min. 9—Coal and Ore Preparation	3	Min. 42—Mining Design	2
Min. 8—Mine Law, Adm. and Accounts	3	Min. 64—Coal and Ore Preparation Laboratory	3
Min. 41—Principles of Mining Design	3	Min. 90—Mining and Metallurgical Reports	1
Min. 99—Inspection Trip	0	Min. 6—Mechanical Engineering of Mines	3
Non-technical Elective ¹	3	Geol. 96—Economic Geology (Ore Deposits)	3
Total	17	Total	17
FOURTH YEAR			
<i>Metallurgical Option</i>			
Chem. 65—Technical Gas and Fuel Analysis	2	Chem. 78—Metallography	2
Chem. 69—Metallurgical Laboratory and Assaying	2	Min. 13—Utilization of Fuels	2
Min. 9—Coal and Ore Preparation	3	Min. 64—Coal and Ore Preparation Laboratory	3
Min. 10—Electrical Engineering of Mines	3	Min. 90—Mining and Metallurgical Reports	2
Min. 99—Inspection Trip	0	Min. 42—Mining Design	2
Min. 8—Mine Law, Adm. and Accounts	3	Min. 17b—Metallurgical Problems	3
Min. 41—Principles of Mining Design	3	Non-technical Elective ¹	3
Non-technical Elective ¹	3	Total	16
Total	19	Total	16

Curriculum in Gas Engineering

The curriculum in gas engineering combines many of the items of the course in Chemical Engineering and a number of the more distinctly engineering subjects from Mechanical, Electrical and Mining Engineering. It is intended to fit men for operating positions about a gas or coke plant rather than for positions in the laboratory where the work is more distinctly of a chemical nature. The degree of Bachelor of Science is given upon completion of the curriculum.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ²				Hours ²
Chem. 1a or 1b—General Chemistry	3 or 4	Chem. 3a—Inorganic and Qualitative	5		
Math. 2—College Algebra	3	Math. 6a—Analytic Geometry	4		
Math. 4—Trigonometry	2	German 6—Advanced	4		
G. E. D. 1	4	Rhet. 2—Rhetoric and Themes	3		
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2	1		
Phys. Ed. 1—Gymnasium	1½	Mil. 2a and 2b, 12a and 12b, 22a and 22b, 32a and 32b, 42a and 42b, or 52a and 52b—Military Drill and Theory	1		
Hyg. 1—Hygiene (Men)	½	Eng. Lecture	0		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, 31a and 31b, 41a and 41b, or 51a and 51b—Military Drill and Theory	1				
Eng. Lecture	0				
Total	17 or 18	Total	18		

¹Any approved non-technical course. See page 132.

²Semester hours. For definition see page 209.

SECOND YEAR

Chem. 5a—Quantitative	5	Math. 8b—Integral Calculus	3
Math. 8a—Differential Calculus	3	Phys. 1b—General Physics	2
Phys. 1a—General Physics	3	Phys. 3b—Physical Measurements	2
Phys. 3a—Physical Measurements	2	Chem. 9—Organic	3
Ger. 4—Prose Reading	4	Chem. 9c—Organic Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, 43a and 43b, or 53a and 53b—Military Drill and Theory	1	T. and A. M. 20—Analytic Mechanics	3
		Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, 44a and 44b, or 54a and 54b—Military Drill and Theory	1
Total	18	Total	16

THIRD YEAR

T. and A. M. 25—Resistance of Materials	4	T. and A. M. 26—Analytic Mechanics and Hydraulics	4
E. E. 8—Electric Currents and Apparatus	3	Chem. 31—Physical Chemistry	3
E. E. 68—Elec. Eng. Laboratory	1	Chem. 33—Physical Chemistry Laboratory	2
M. E. 1—Steam and Air Machinery	3	M. E. 15—Heat Engineering	3
M. E. 13—Thermodynamics	3	Chem. 65b—Gas Analysis	3
Chem. 7—Metallurgy	3	Phys. 16—Heat Phenomena	3
Chem. 14d—Organic Chemistry Laboratory	2	Phys. 36—Heat Measurements	1
Total	19	Total	19

FOURTH YEAR

Special—Gas Engineering ¹	6	Special—Gas Engineering ¹	7
Min. 9—Coal Preparation	3	Cer. 20—Refractory Materials	2
Chem. 77—Classification and Theory of Carbonization	2	Min. 64—Coal Mining Laboratory	3
M. E. 61—Power Measurement	2	Chem. 76—Tars and Oils	3
Non-technical Elective ²	3	Non-technical Elective ²	3
Inspection Trip	0		
Total	16	Total	18

Curriculum in Municipal and Sanitary Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER

	Hours ³
C. E. 27—Plane Surveying	3
Language ⁴	4
Math. 7—Differential Calculus	5
Phys. 1a—Physics Lectures	3
Phys. 3a—Physics Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1
Total	18

SECOND SEMESTER

	Hours ³
C. E. 28—Higher Surveying	3
Language ⁴	4
Math. 9—Integral Calculus	3
Phys. 1b—Physics Lectures	2
Phys. 3b—Physics Laboratory	2
T. and A. M. 20—Analytical Mechanics	3
Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
Total	18

THIRD YEAR

Bact. 6—Bacteriology	2½
Chem. 10b—Water Analysis	2½
C. E. 53—Railroad Surveying	3
T. and A. M. 21—Analytical Mechanics	2
T. and A. M. 29—Resistance of Materials	5
Non-technical Elective ²	2
Total	17

C. E. 52—Roads and Pavements	3
C. E. 60—Structural Stresses	4
C. E. 62—Structural Details	2
M. E. 2—Steam Engineering	3
T. and A. M. 10—Hydraulics	3
Non-technical Elective ²	3
Total	18

FOURTH YEAR

C. E. 75—Masonry Construction	3
C. E. 95—Cement Laboratory	2
C. E. 81—Reinforced Concrete	2
M. E. 61—Power Measurement	2
M. and S. E. 2—Water Supply Engineering	4
M. and S. E. 6a—Water Purification and Sewage Disposal	3
M. and S. E. 99—Inspection Trip	0
Non-technical Elective ²	2
Total	18

C. E. 80—Contracts and Specifications	2
E. E. 4—Elementary Electrical Engineering	2
E. E. 64—Electrical Engineering Laboratory	1
M. and S. E. 3—Sewerage	3
M. and S. E. 6b—Water Purification and Sewage Disposal	2
M. and S. E. 9—Hydraulic Design and Construction	2
M. and S. E. 98—Thesis or Approved Elective	3
Non-technical Elective ²	2
Total	17

¹The time allotted to special Gas Engineering in the Senior year will be divided among such subjects as the Design of Gas Plants and the Manufacture, Distribution, Utilization and Economics of Gas.

²Any approved non-technical course. See page 132.

³Semester hours. For definition, see page 209.

⁴French, German, Spanish, or English.

Curriculum in Railway Civil Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER

	Hours ¹
C. E. 27—Elementary Surveying.....	3
Language ²	4
Math. 7—Differential Calculus.....	5
Phys. 1a—Physics Lectures.....	3
Phys. 3a—Physics Laboratory.....	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory.....	1
Total	18

THIRD YEAR

C. E. 51—Railroad Surveying.....	5
M. E. 1—Steam and Air Machinery.....	3
R. E. 25—Railway Development.....	3
T. and A. M. 21—Analytical Mechanics.....	2
T. and A. M. 29—Resistance of Materials.....	5
Total	18

FOURTH YEAR

C. E. 73—Bridge Design.....	4
C. E. 75—Masonry Construction.....	3
C. E. 81—Reinforced Concrete Theory.....	2
C. E. 95—Plain Concrete.....	2
R. E. 31—Ry. Yards and Terminals.....	3
R. E. 35—Railway Signaling.....	1
R. E. 37—Railway Maintenance.....	2
R. E. 99—Inspection Trip.....	0
Total	17

SECOND SEMESTER

	Hours ¹
C. E. 28—Topographic Surveying.....	3
Language ²	4
Math. 9—Integral Calculus.....	3
Phys. 1b—Physics Lectures.....	2
Phys. 3b—Physics Laboratory.....	2
T. and A. M. 20—Analytical Mechanics.....	3
Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory.....	1
Total	18

C. E. 60—Structural Stresses.....	4
C. E. 62—Structural Details.....	2
R. E. 32—Railway Construction.....	3
R. E. 36—Railway Maintenance.....	3
T. and A. M. 10—Hydraulics.....	3
Non-technical Elective ³	3
Total	18

Curriculum in Railway Electrical Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER

	Hours ¹
Language ²	4
Math. 7—Differential Calculus.....	5
M. E. 85—Pattern and Foundry Laboratory.....	3
Phys. 1a—Physics Lectures.....	3
Phys. 3a—Physics Laboratory.....	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory.....	1
Total	18

THIRD YEAR

E. E. 25—Direct Current Apparatus.....	4
E. E. 75—Electrical Laboratory.....	2
Phys. 44a—Elec. and Mag. Measurement.....	3
R. E. 35—Railway Development.....	3
R. E. 59—Electric Railway Principles.....	2
T. and A. M. 25—Resistance of Materials.....	4
Total	18

FOURTH YEAR

M. E. 3—Steam Engineering.....	3
M. E. 61—Mechanical Laboratory.....	2
R. E. 35—Railway Signaling.....	1
R. E. 62—Electric Railway Laboratory.....	2
R. E. 64—Electric Railway Practise.....	3
R. E. 67—Seminar.....	1
R. E. 71—Electric Railway Machinery.....	2
R. E. 99—Inspection Trip.....	0
Non-technical Elective ³	3
Total	17

SECOND SEMESTER

	Hours ¹
Language ²	4
Math. 9—Integral Calculus.....	3
M. E. 86—Pattern and Foundry Laboratory.....	3
Phys. 1b—Physics Lectures.....	2
Phys. 3b—Physics Laboratory.....	2
T. and A. M. 20—Analytical Mechanics.....	3
Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory.....	1
Total	18

Econ. 2—Principles of Economics.....	3
E. E. 26—Alternating Currents.....	4
E. E. 76—Electrical Laboratory.....	2
M. E. 10—Thermodynamics.....	3
Phys. 44b—Elec. and Mag. Measurement.....	2
R. E. 60—Electric Railway Principles.....	2
T. and A. M. 36—Analytical Mechanics.....	2
Total	18

C. E. 80—Contracts and Specifications.....	2
E. E. 56—Electrical Design.....	4
R. E. 63—Electric Railway Laboratory.....	2
R. E. 74—Electric Railway Economics.....	3
R. E. 98—Thesis (or technical elective).....	3
Non-technical Elective ³	3
Total	17

¹Semester hours. For definition, see page 209.²French, German, Spanish or English.³Any approved non-technical course. See page 132.

Curriculum in Railway Mechanical Engineering

FIRST YEAR

For the first year's work, see Curriculum in Architectural Engineering.

SECOND YEAR

FIRST SEMESTER

	Hours ¹
Language ²	4
Math. 7—Differential Calculus	5
M. E. 85—Pattern and Foundry Laboratory	3
Phys. 1a—Physics Lectures	3
Phys. 3a—Physics Laboratory	2
Mil. 3a and 3b, 13a and 13b, 23a and 23b, 33a and 33b, or 53a and 53b—Military Drill and Theory	1
Total	18

SECOND SEMESTER

	Hours ¹
Language ²	4
Math. 9—Integral Calculus	3
M. E. 86—Pattern and Foundry Laboratory	3
Phys. 1b—Physics Lectures	2
Phys. 3b—Physics Laboratory	2
T. and A. M. 20—Analytical Mechanics	3
Mil. 4a and 4b, 14a and 14b, 24a and 24b, 34a and 34b, or 54a and 54b—Military Drill and Theory	1
Total	18

THIRD YEAR

M. E. 13—Thermodynamics	3
M. E. 87—Machine and Forge Laboratory ..	3
R. E. 3—Locomotives	2
R. E. 25—Railway Development	3
T. and A. M. 21—Analytical Mechanics	2
T. and A. M. 29—Resistance of Materials ..	5
Total	18

M. E. 4—Steam Engineering	3
M. E. 14—Thermodynamics	3
M. E. 40—Mechanical Engineering Design ..	3
M. E. 64—Steam Power Laboratory	3
M. E. 88—Machine and Forge Laboratory ..	3
R. E. 4—Locomotives	3
Total	18

FOURTH YEAR

E. E. 11—Direct Current Apparatus	3
E. E. 61—Direct Current Laboratory	1
M. E. 37—Principles of Management or	3
R. E. 31—Railway Yards and Terminals ...	3
R. E. 2—Locomotive Design	3
R. E. 5—Railway Laboratory	3
R. E. 9—Seminar	1
R. E. 99—Inspection Trip	0
Non-technical Elective ³	3
Total	17

C. E. 80—Contracts and Specifications	2
E. E. 12—Alternating Current Apparatus ..	3
E. E. 62—Alternating Current Laboratory ..	1
R. E. 7—Advanced Design	3
R. E. 8—Railway Laboratory	2
R. E. 61—Electric Traction	3
Non-technical Elective ³	3
Total	17

¹Semester hours. For definition, see page 209.

²French, German, Spanish or English.

³Any approved non-technical course. See page 132

THE COLLEGE OF AGRICULTURE

For the *buildings* used by this College, see page 49; for a list of its *curricula*, page 60; for *clubs, auxiliary to its curricula*, page 88; for *honors*, page 78; for *honorary societies*, page 88, for *fees and expenses*, page 91.

GENERAL STATEMENT

The College of Agriculture offers, to both men and women, curricula designed for four different purposes:

First, and mainly, to train for the profession of farming.

Second, to train for the teaching of agriculture in the public schools.

Third, to train for the profession of landscape gardening.

Fourth, to train for the profession of floriculture.

The curricula offered by the department of home economics have two purposes in view:

First, and mainly, to train young women in the science of household affairs.

Second, to prepare teachers for giving instruction in domestic science in high schools, and, in connection with the College of Liberal Arts and Sciences, to fit for college and university positions.

In the case of both men and women the great purpose is to prepare for the practical affairs of life. In order that technical knowledge and skill may not be developed at the expense of those things which tend to the production of cultured and versatile men and women, the technical work is closely associated with the related sciences, and students are required to divide their time fairly between those subjects that develop general knowledge and breadth of view.

The College offers over one hundred sixty courses of instruction in technical subjects, besides opportunity to elect from the scientific and literary offerings of the other colleges of the University.

The elective system prevails; and, with a few exceptions, the student is left free to select those subjects which meet his needs, always under the advice and guidance of the faculty.

Credit is given for all work accomplished; this credit counts toward graduation if the student desires a degree.

ADMISSION

See the statement of the entrance requirements of the University, pages 62-75.

Admission to Graduate Work in Agriculture

Applicants for admission to the Graduate School should have had an undergraduate course in scientific and technical agriculture equivalent to that of the University of Illinois; yet students who are otherwise eligible for admission to the Graduate School may be admitted to graduate standing in agriculture, if they have had a thoro training in the fundamental sciences, even tho their undergraduate curriculum may have lacked to some extent the amount and kind of technical work included in our course.

REQUIREMENTS FOR GRADUATION

Students who have satisfied the University requirements as to registration, residence and diploma fee, and have maintained throughout their course a satisfactory record of scholarship and moral character will, on completion of the studies of the prescribed list and sufficient electives to make a total of 130 semester hours, be graduated with the degree of Bachelor of Science.

A thesis is not required for graduation, but any student who has completed not fewer than 90 hours of credit before the senior year may then elect a thesis course in any department, provided he has done at least 20 hours' work in courses pertinent to the thesis problem, subject to the approval of the head of the department.

Graduates of approved colleges may expect to secure a degree in agriculture from the University on completion of the technical and scientific requirements. This will ordinarily require approximately two years of residence work; a minimum of one year is required.

In physical education not more than five semester hours for men and seven semester hours for women are accepted toward graduation.

SCHOLARSHIPS IN AGRICULTURE AND HOME ECONOMICS

For information concerning scholarships in agriculture and home economics, see page 90.

FACILITIES FOR INSTRUCTION AND METHODS OF WORK

The affiliation of the College with the Agricultural Experiment Station enables the University to support a larger faculty than would otherwise be possible, and permits a higher degree of specialization. For the most part, those who teach in the College conduct experiments in the same subjects in the Station.

The methods of instruction vary with the nature of the courses. In general the laboratory method prevails. Text-books are used when good ones are available. Laboratory and text are supplemented by lectures and reference readings.

AGRICULTURAL EXTENSION

Agricultural extension work serves as the intermediary between the College of Agriculture and the Agricultural Experiment Station and the local community and the farm. Each department does extension work, and so far as possible provides special men for such work. The responsibility for the work of these men lies with their own department. For this reason not all of the extension effort issues from one office.

For administrative purposes and for the coordination of these activities through a regular channel, agricultural extension is administered as a separate department, conducting all extension enterprises which do not deal with technical subjects and cooperating with other departments in diffusing the results of their work in the State.

Some of the general extension enterprises are: Agricultural extension schools and demonstrations in different localities; Farmers' Week conducted annually at the College in January; helping at farmers' institutes and similar gatherings, with special railway lecture trains, at the boys' state fair school, and in educational exhibits at fairs and elsewhere; welfare work in rural communities; and excursions to the College. (See also under University Extension, Part V.)

AGRONOMY

The Department of Agronomy gives instruction in those subjects which relate to the field, such as field crops; the chemistry, physics, and biology of the soil; manures, and rotation in their relation to fertility; plant breeding. The department possesses equipment and facilities for instruction in these subjects, and, in addition, affords opportunities for contact with the research work of the Agricultural Experiment Station, especially in crop production, soil fertility, soil biology, and plant breeding, in the analytical and pot-culture laboratories on the soil bins on the experiment fields at the University and in other parts of the State.

Attention is called to the fact that, if circumstances prohibit a regular four-year curriculum, it is possible for a student who has had sufficient preparatory training to arrange his studies so as to obtain the necessary prerequisites and complete a general course in soil physics and soil fertility in two years. (See Agronomy 9 and 12).

ANIMAL HUSBANDRY

The Department of Animal Husbandry offers courses covering the study of sheep, swine, poultry, and beef cattle and their products; heavy and light horses, with their care and training; the management of herds, flocks, and studs; feeding, breeding, general sanitation, hygiene and disease control, and marketing; and the chemical and physiological phase of animal nutrition.

The University herds, flocks, and studs contain about six hundred pure-bred cattle, swine, sheep, and horses, and several hundred fowls, ducks, and turkeys, which are available for class purposes. These animals are also used for investigations in feeding and breeding, and for illustration of breed types and characteristics. The breeds represented are Shorthorn, Hereford, and Aberdeen Angus cattle; Poland-China, Berkshire, Duroc Jersey, Chester White, Large Yorkshire, and Hampshire swine; Shropshire, Oxford, South-down, Hampshire, Rambouillet, and Corriedale sheep; and Percheron, Hackney Pony, and American Saddle horses. In addition to this pure-bred live stock, a large number of grade animals of the various classes of live stock furnish material for judging practise. In this practise, standard market classes and grades of live stock are illustrated, and instruction is given in the selection of animals according to feed-lot and market requirements. The stock pavilion offers opportunity for show and judging work. (For description, see page 50). The lectures of the various courses are supplemented by 1,000 or more lantern slides, charts, diagrams, models, and photographs. Work on pedigree and breed is facilitated by 75 sets of the different herd, stud, and flock register, and complete files of the leading American and British journals.

The equipment for instruction and investigation in the feeding, breeding, and management of live stock consists of modern buildings for the housing of beef cattle, swine, sheep, horses, and poultry and a feed storage barn, with various forms of grinding mills and other machinery for the preparation of feed. The laboratories of the department afford facilities for both undergraduate and advanced study in animal nutrition, genetics, and animal diseases.

DAIRY HUSBANDRY

The Department of Dairy Husbandry furnishes instruction in the production and care of milk and in the manufacture of dairy products. It also furnishes instruction in dairy bacteriology and dairy chemistry.

The various courses cover the application of science to dairy problems, approved methods in dairy operations, and the economic significance of these operations.

In addition to laboratories and lecture rooms, its equipment includes a farm of 160 acres with buildings; about 150 milch cows, bulls, and young stock, including a herd crossed between the Guernsey and Holstein-Friesian breeds, and typical representatives of the Ayrshire, Guernsey, Jersey, and Holstein-Friesian breeds; a manufactory with modern equipment for handling city milk and making butter, cheese, ice cream, and condensed milk; and facilities for the distribution of milk on the University milk route.

FARM MECHANICS

The Department of Farm Mechanics offers courses covering the principles of engineering as applied to the various phases of agriculture, including the subject of elementary farm mechanics, drainage, farm buildings, concrete construction, farm machinery, tractors, harvesting machinery, dairy machinery, and farm home equipment.

This department has a large assortment of tractors, gas engines, and a full equipment of farm machinery for student use. Lighting units, water systems, etc. are provided in the home equipment laboratory. Drafting room is provided for work in farm buildings, and adequate facilities for concrete construction.

Students who would specialize in this field should supplement the courses mentioned above with higher mathematics, mechanics, and other basic engineering courses as given in the College of Engineering.

FARM ORGANIZATION AND MANAGEMENT

The Department of Farm Organization and Management offers instruction in that field of study which is concerned with the application of the principles of economics and accounting to the business of farming.

It deals with both the problems of farm organization and farm operation. The work is based not only upon the literature available on the subjects, but upon the detailed farm management and cost accounting studies carried on with a considerable number of farmers located in several sections of the state.

Field trips will be conducted to some of the cooperating farms, and other farms in Champaign County, which serve as good demonstrations of certain farm management practises and furnish the basis for laboratory work. Such trips will constitute a part of the regular work in each of the farm management courses.

Special problems on systems of farming, the organization of individual farms, and land ownership and tenure are pursued by advanced students.

A special curriculum in which economics, accounting, business organization and farm management occupy an important place is provided for agricultural students.

HOME ECONOMICS

The courses of instruction given in the Department of Home Economics are planned to meet the needs of four classes of students; (a) those who desire a knowledge of the general principles and facts of home economics; (b) those who wish to make a specialty of home economics for the purpose of teaching the subject in secondary schools and colleges; (c) those who wish a knowledge of the principles underlying household administration and institutional management; (d) those who are interested in work in nutrition and dietetics.

The department is housed in the Woman's Building where laboratories, lecture rooms, and an apartment for home management are provided. A cafeteria serves as a teaching laboratory for students interested in institutional work.

HORTICULTURE

The Department of Horticulture offers courses in the five divisions of horticulture (pomology, olericulture, floriculture, landscape gardening, and forestry), and also in subjects dealing with all the divisions, such as plant propagation, spraying, the evolution of horticultural plants, and experimental horticulture.

For instruction in pomology, use is made of the fruit plantations maintained by the department. The orchards of different ages afford opportunities for practise in pruning and for studies of tree types, while the products furnish materials for practise in the grading and packing of fruits and the study of systematic pomology. A collection of fruit packages illustrates the types used in commercial packing. There is also a collection of wax models of fruits representing the principal varieties grown in Illinois.

For olericulture, or vegetable gardening, certain areas of ground are reserved on which garden operations are illustrated and various crops are grown. The equipment also includes a greenhouse, hotbed frames and sash, and an assortment of seed drills, and wheel hoes, hand tools, markers, planters, and other appliances for the growing and handling of vegetables.

The equipment in floriculture includes ten glass houses and a service building. Six of the houses, including the palm house, are used for instructional work exclusively, and the other four, while intended primarily for experimental purposes, add to the facilities for instruction in floriculture as conducted on a commercial basis. Besides roses, carnations, and chrysanthemums, the houses contain a selection of plants representing all the forms used in commercial and decorative or conservatory work. The service building contains laboratories, class rooms, offices, and potting, storage, and work rooms. An assortment of florists' supplies is maintained. Floricultural periodicals, reference books, and a series of over eight hundred slides add to the equipment. The ornamental gardens maintained by the department furnish illustrative materials for students in floriculture and landscape gardening.

The equipment in landscape gardening includes four drafting rooms with desks for individuals, modern filing devices for office practise, seminar rooms, lecture rooms, offices and a library. The library contains a complete collection of books, periodicals, pamphlets, photographs of examples of foreign and American landscape gardening, and works on civic design, all carefully indexed. There is a collection of representative drawings and blue-prints from the offices of practising landscape architects, and one of city maps.

The collection of trees and shrubs growing on the campus and about certain residences near the University furnishes material for plant studies in the courses in planting design. The herbarium of the division is also available for reference. A series of 3,500 lantern slides is used in lectures.

Instruction in forestry is facilitated by a collection of native woods and a forest tree plantation of about twenty acres, containing Scotch pine, white pine, Norway spruce, European larch, green ash, black walnut, hickory, bur oak, white elm, and other species.

General Curriculum in Agriculture

(Required for the Degree of Bachelor of Science in Agriculture)

All students except those in the special curricula in home economics, floriculture, and landscape gardening are required to take the same work during the freshman year

and part of the sophomore year. This work gives the student a correct conception of the fundamental farm practises and an insight into the technical branches of agriculture, such as animal and dairy husbandry, horticulture, farm crops, soils, farm mechanics, and buildings. The junior and senior years are open for elective studies.

One hundred thirty hours are required for graduation, as follows:

Agriculture prescribed first two years	23 hours
Agriculture prescribed as electives	36 hours
Total agriculture required	59 hours
Non-agriculture prescribed	42 hours
Non-agriculture as prescribed electives	15 hours
Total non-agriculture required	57 hours
Open electives	14 hours
	<hr/> 130 hours

FIRST YEAR

FIRST SEMESTER	Hours ¹	SECOND SEMESTER	Hours ¹
Agron. 25—Farm Crops	4	Agron. 25—Farm Crops	4
Chem. 1—Inorganic Chemistry	5	or	
or		A. H. 5—Live Stock Judging	3
A. H. 5—Live Stock Judging	3	D. H. 24—Elements of Dairy Husbandry ..	3
D. H. 24—Elements of Dairy Husbandry ..	3	and	
Chem. 1a—Inorganic Chemistry	3	Chem. 2a—Inorganic Chemistry and Qualita-	
and		tive Analysis	5
Ag. Ext. 4—Elementary Agricultural Extension	1	Hort. 1b—Elements of Horticulture	2
Hort. 1a—Elements of Horticulture	2	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Mil. 2a and 2b, 12a and 12b, 22a and 22b, or	
Hyg. 1—Hygiene (Men)	$\frac{1}{2}$	52a and 52b—Military Drill and Theory..	1
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or			
51a and 51b—Military Drill and Theory..	1		
Total	17	Total	16-18

SECOND YEAR

A. H. 8—Principles of Breeding	2	Farm. Mech. 1—Elementary Farm Mechanics	3
A. H. 21—Principles of Feeding	3	Chem. 8—Quantitative Analysis	3
Bot. 1—General Botany	5	or	
or		A. H. 8—Principles of Breeding	2
Farm Mech. 1—Elementary Farm Mechanics	3	A. H. 21—Principles of Feeding	3
Chem. 8—Quantitative Analysis	3	Bot. 1—General Botany	5
with		Chem. 9—Organic	3
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or		with	
53a and 53b—Military Drill and Theory..	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or	
Electives	7-11	54a and 54b—Military Drill and Theory..	1
		Electives	4-11
Total	18	Total	18

In addition to the prescribed subjects, students will take the following:

Agriculture, electives	36 hours
Non-agriculture, electives	15 hours
English 20	4 hours
Science, elective	5 hours
Open electives	14 to 17 hours

Curriculum in Farm Organization and Management

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>	
Ag. Ext. 4—Elementary Agricultural Extension	1	An. Husb. 5—Live Stock Judging	3
Agron. 25—Farm Crops	4	Chem. 2a—Inorganic Chemistry and Qualita-	
Chem. 1 or 1a—Inorganic Chemistry	5-3	tive Analysis	5
Hort. 1a—Elements of Horticulture	2	D. Husb. 24—Elements of Dairy Husbandry	3
Rhet. 1—Rhetoric and Themes	3	Hort. 1b—Elements of Horticulture	2
Phys. Ed. 1—Gymnasium	$\frac{1}{2}$	Rhet. 2—Rhetoric and Themes	3
Hyg. 1—Hygiene (Men)	$\frac{1}{2}$	Phys. Ed. 2—Gymnasium	1
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or		Mil. 2a and 2b, 12a and 12b, 22a and 22b, or	
51a and 51b—Military Drill and Theory..	1	52a and 52b—Military Drill and Theory..	1
Total	15-17	Total	18

¹Semester hours. For definition, see page 209.

SECOND YEAR

	Hours ¹		Hours ¹
An. Husb. 8—Elementary Principles of Breeding	2	Chem. 8—Elementary Quantitative Analysis	3
An. Husb. 21—Principles of Feeding	3	An. Husb. 2a—Swine Judging	2
Bot. 1—General Botany	5	An. Husb. 2b—Swine Management	3
Econ. 1—Principles of Economics	5	Farm Mech. 1—Elementary Farm Mechanics	3
Econ. 26—Economic Resources	3	Engl. 20—Chief English Writers of the 19th Century	4
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or 53a and 53b—Military Drill and Theory ..	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory ..	1
		Electives	2
Total	19	Total	18

In addition to the courses above, the following are prescribed:

Chemistry 9	3 hours
Accountancy 11	4 hours
Economics 3	3 hours
Economics 16	3 hours
Elective Economics, a minimum of	6 hours
Business Law 2	3 hours
Farm Management 1	3 hours
Farm Management 4	2 hours
Farm Management 5	3 hours
Philosophy 1	3 hours
Elective Agriculture, minimum of	22 hours
Open Electives	5-3 hours
Total	130 hours

The following general sequence of courses is suggested:

THIRD YEAR

<i>Suggested Courses</i>		<i>Suggested Courses</i>	
Chem. 9—Organic	3	Agron. 12—Soil Fertility, Fertilizers, Rotations	5
Agron. 9—Soil Physics and Management	5	An. Husb. 4a—Judging Horses and Mules	2
Acc'y. 11—Farm Accounting	4	An. Husb. 4b—Horse Production	3
Econ. 16—Economics of Agriculture	3	Econ. 14—Cooperation in Agriculture	2
Electives	3	Econ. 3—Money and Banking	3
		Farm Management 1—Elementary Farm Management	3
Total	18	Total	18

FOURTH YEAR

<i>Suggested Courses</i>		<i>Suggested Courses</i>	
An. Husb. 11a—Beef Cattle Judging	2	Farm Management 5	3
An. Husb. 11b—Beef Production	3	Econ. 15	2
Econ. 13	2	Agron. 7	3
Phil. 1	3		
Bus. Law 2	3		
Farm Management 4	2		
Total	15	Total	8

Curriculum in Floriculture

(Required for the Degree of Bachelor of Science in Floriculture)

The object of the floriculture curriculum is to fit men and women for the profession of floriculture. The laboratory exercises in the technical subjects consist of practical work in the greenhouses and gardens and give the students a working knowledge of the best methods now in use.

Of the 130 hours required for graduation, 104-106 are provided for in the prescribed list. The other 26-24 hours of credit necessary for graduation are electives.

Students registered in Floriculture will be required to make at least one inspection trip before graduation. The annual trip costs about \$25.00.

¹Semester hours. For definition, see page 209.

FIRST SEMESTER <i>Prescribed Subjects</i>		FIRST YEAR		SECOND SEMESTER <i>Prescribed Subjects</i>	
	Hours ¹				Hours ¹
Chem. 1 or 1a—Inorganic Chemistry	5-3	Chem. 2a—Inorganic Chemistry and Qualita-			
Hort. 5—Plant Propagation	3	tive Analysis			5
Rhet. 1—Rhetoric and Themes	3	Hort. 4—Plant Houses			3
Ent. 1—Introductory Entomology	3	Rhet. 2—Rhetoric and Themes			3
Phys. Ed. 1—Gymnasium	1½	Bot. 1—General Botany			5
Hyg. 1—Hygiene (Men)	½	Phys. Ed. 2—Gymnasium			1
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or		Mil. 2a and 2b, 12a and 12b, 22a and 22b, or			
51a and 51b—Military Drill and Theory .	1	52a and 52b—Military Drill and Theory .			1
Total	14-16	Total			18
SECOND YEAR		THIRD YEAR		FOURTH YEAR	
Agron. 9—Soil Physics	5	Hort. 15a—Greenhouse Management	3	Hort. 32b—Floral Decoration	3
Bot. 27a—Plant Physiology	5	Hort. 24a ² —Trees and Shrubs	3	Hort. 45—Plant Nutrition	3
Engl. 20—Chief English Writers	4	Hort. 31 ² —Garden Flowers	3	Hort. 30—Tender Bedding Plants	3
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or		Mil. 4a and 4b, 14a and 14b, 24a and 24b, or		B. O. and O. 1	3
53a and 53b—Military Drill and Theory .	1	54a and 54b—Military Drill and Theory .	1		
Total	15	Total	10		
THIRD YEAR		FOURTH YEAR		Suggested Electives	
Bot. 7a—Plant Pathology	3	Hort. 7—Spraying	3	Hort. 26a ² —Planting Design	3
Hort. 15b—Commercial Crops	3	Hort. 15c—Commercial Crops	3	Bot. 3a—Plant Anatomy	5
Hort. 24b ² —Trees and Shrubs	3	Hort. 42 ² —Landscape Design	3	Bot. 4a—Taxonomy of Cormophytes	5
Econ. 1—Principles of Economics	5	Acc'y. 1a	3	Chem. 9 and 9c—Elementary Organic Chem-	
Total	14	Total	12	istry	5
FOURTH YEAR		Suggested Electives		HOME ECONOMICS	
Hort. 43—Greenhouse Fertilizers	3	Hort. 26a ² —Planting Design	3	Students who hold scholarships in home economics must take each semester at least four hours in home economics or in subjects required for admission to courses in home economics.	
Hort. 32a—Floral Decoration	3	Bot. 3a—Plant Anatomy	5		
Acc'y. 1b	3	Bot. 4a—Taxonomy of Cormophytes	5	To satisfy the requirements for graduation, students transferring from other institutions must take five hours in residence from the following: Home Economics 4, 28, 31, 33, 39a, 39b, 41.	
Total	9	Chem. 9 and 9c—Elementary Organic Chem-	5	Students may choose the general curriculum in home economics or the curriculum in nutrition and dietetics as suggested below. Each leads to the Degree of Bachelor of Science in Home Economics.	
Suggested Electives		HOME ECONOMICS		Curriculum in General Home Economics	
Hort. 26b ² —Planting Design	3	Hort. 26a ² —Planting Design	3		
Rhet. 10—Business Writing	2	Bot. 3a—Plant Anatomy	5	<i>Prescribed Subjects</i>	
Sociology 1—Principles of Sociology	3	Bot. 4a—Taxonomy of Cormophytes	5	Art and Design 1, 12	5
		Chem. 9 and 9c—Elementary Organic Chem-	5	Bacteriology 5a, 5b	5
		istry	5	Botany 1 or Zoology 1	5
				Chemistry 1 or 1a, 2a	10 or 8
				Chemistry 9, 9c	5 or 3
				Economics 1, or 2	5 or 3
				English 1, 2	8
				Home Economics 1, 2, 5, 6, 7, 10, 29	23
				Hygiene 2	1
				Physiology 1, 4	5
				Physical Education 7a, 7b, 8a, 8b	4
				Rhetoric 1, 2	6
				Sociology 1	3
				List A—a minimum of	6
				List B—a minimum of	10
					101 or 95
					29 or 35

Open Electives

101 or 95

29 or 35

¹Semester hours. For definition, see page 209.²Horticulture 26a and 26b may be taken by students in floriculture after having completed the work of courses 24a, 24b, 31, and 42 in horticulture.

Electives

List A (a minimum of 6 hours)

History 1a, 1b, 3a, 3b
Sociology 2, 3, 7, 8,
Economics 3, 41, 44
Psychology 1

List B (a minimum of 10 hours)

Home Economics 3, 4, 9, 14, 18, 19, 20, 28, 33, 35, 39, 41, 30, 31

Suggested Curriculum in General Home Economics

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
A. and D. 1—Freehand Drawing	3	A. and D. 12—Applied Design	2		
Chem. 1 or 1a—Inorganic Chemistry	5-3	Chem. 2a—Qualitative Analysis	5		
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3		
Home Econ. 7—Textiles	3	Bot. 1 or Zool. 1—General Course	5		
Hyg. 2—Hygiene (Women)	1	Phys. Ed. 7b—Practise	1		
Phys. Ed. 7a—Practise	1				
Total	14 or 16	Total	16		
SECOND YEAR		THIRD YEAR		FOURTH YEAR	
	Hours		Hours		Hours
Engl. 1—Survey of English Literature	4	Engl. 2—Survey of English Literature	4		
Home Econ. 1—Selection and Preparation of Food	3	Home Econ. 6—Economic Uses of Food	4		
Physiol. 1—General Physiology	2	Physiol. 4—Physiology of Digestion	3		
Home Econ. 2—Home Architecture	3	Chem. 9, 9c—Organic Chemistry	5		
Home Econ. 29—Clothing	3	Phys. Ed. 8b—Practise	1		
Phys. Ed. 8a—Practise	1				
Total	16	Total	17		
Bact. 5a, 5b—Introductory Bacteriology ...	5	Home Econ. 10—Home Management	3		
Home Econ. 5—Dietetics	4	Sociol. 1—Principles of Sociology	3		
Econ. 1—Principles of Economics	5	Electives	10-11		
Electives	2-3	Total	16-17		
Total	16-17				

During the third and fourth years, students will complete the prescribed subjects for the degree of Bachelor of Science in Home Economics in the College of Agriculture. The electives will be in accord with the interest of the student.

Curriculum in Nutrition and Dietetics*Prescribed Subjects*

	Hours
Bacteriology 5a, 5b	5
Botany 1	5
Chemistry 1 or 1a, 2a, 9, 9c, 5a	20 or 18
Economics 1 or 2	5 or 3
English 1, 2	8
Home Economics 1, 4, 5, 6, 39a, 39b, 20, 33, 41	28 or 26
Hygiene 2	1
Physical Education 7a, 7b, 8a, 8b	4
Physiology 1, 4	5
Rhetoric 1, 2	6
Sociology 1	3
Zoology 1	5
List A, a minimum of	6
Total	101 or 95
Open Electives	29 or 35
Total	130

List A (a minimum of 6 hours)

History 1a, 1b, 3a, 3b
Sociology 2, 3, 7, 8,
Economics 3, 41, 44
Psychology 1

Suggested Electives

Bacteriology 8, 26
Chemistry 25
Home Economics 18
General Hygiene 10
French or German

¹Semester hours. For definition see page 209.

Suggested Curriculum in Nutrition and Dietetics

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹		Hours ¹		Hours ¹
Chem. 1 or 1a—Inorganic Chemistry	5-3	Chem. 2a—Qualitative Analysis	5		
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3		
Bot. 1—General Botany	5	Zoology 1—General Zoology	5		
Phys. Ed. 7a—Practise	1	Physiol. 1—General Physiology	2		
Hyg. 2—Hygiene (Women)	1	Phys Ed. 7b—Practise	1		
Total	15 or 13	Total	16		
SECOND YEAR		THIRD YEAR		FOURTH YEAR	
Engl. 1—Survey of English Literature	4	Home Econ. 18—Lunchroom Management .	5	Home Econ. 4—Nutrition	5
Home Econ. 1—Selection and Preparation of Food	3	Bact. 5a, 5b—Introductory Bacteriology .	5	Home Econ. 39a—Nutrition Seminar	1
Physiol. 4—Physiology of Digestion	3	Sociol. 1—Principles of Sociology	3	Electives	9 or 10
Phys. Ed. 8a—Practise	1	Electives	2 or 3	Total	15-16
Electives	5 or 6	Total	15-16	Total	15-16
Total	16-17	Total	16-17	Total	15-16

CURRICULUM IN LANDSCAPE GARDENING

(Required for the Degree of Bachelor of Science in Landscape Gardening)

A four years' course in preparation for professional practise of landscape gardening. Courses are open to any student in the University having the prerequisites or their equivalents.

Of the 130 hours required for graduation, 118 are provided for in the prescribed list. The other 12 hours necessary for graduation may be taken from the suggested electives given below.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>	
Arch. 31—Architectural Drawing	4	Arch. 32—Architectural Drawing	4	Arch. 32—Architectural Drawing	4
Foreign Language ²	4	Foreign Languages ²	4	Foreign Languages ²	4
Hort. 36—History of Landscape Gardening .	3	A. and D. 12—Design	2	A. and D. 12—Design	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3
Hort. 39a—Special Lectures	½	Hort. 39b—Special Lectures	½	Hort. 39b—Special Lectures	½
Phys. Ed. 1—Gymnasium	½	Phys. Ed. 2—Gymnasium	1	Phys. Ed. 2—Gymnasium	1
Hyg. 1—Hygiene (men)	½	Military—Practical Instruction	½	Military—Practical Instruction	½
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or 51a and 51b—Military Drill and Theory .	1	Mil. 2a and 2b, 12a and 12b, 22a and 22b, or 52a and 52b.—Military Drill and Theory .	1	Mil. 2a and 2b, 12a and 12b, 22a and 22b, or 52a and 52b.—Military Drill and Theory .	1
Total	16½	Total	15½	Total	15½
SECOND YEAR		THIRD YEAR		FOURTH YEAR	
C. E. 31—Surveying	3	C. E. 32—Surveying	3	C. E. 32—Surveying	3
Hort. 21a—Landscape Design	4	Hort. 21a—Landscape Design	4	Hort. 21a—Landscape Design	4
Arch. 43—Working Drawings	3	Arch. 44—Working Drawings	3	Arch. 44—Working Drawings	3
Bot. 1—Introductory Course	5	Hort. 24a—Trees and Shrubs	3	Hort. 24a—Trees and Shrubs	3
Hort. 39a—Special Lectures	½	Hort. 39b—Special Lectures	½	Hort. 39b—Special Lectures	½
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or 53a and 53b—Military Drill and Theory..	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory..	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory..	1
Total	16½	Total	14½	Total	14½

¹Semester hours. For definition, see page 209.²French, German, Italian, or Spanish.

THIRD YEAR

	Hours ¹		Hours ¹
Hort. 23a—Landscape Design	4	Hort. 23b—Landscape Design	4
Hort. 24b—Trees and Shrubs	3	Hort. 26a—Planting Design	3
Hort. 27a—Landscape Construction	3	Hort. 27b—Landscape Construction	3
Engl. 20—English Writers of the 19th Century	4	Pub. Sp. 2 or 10—Public Speaking	2
Pub. Sp. 1—Public Speaking	2	Hort. 31—Garden Flowers	3
Hort. 39a—Special Lectures	$\frac{1}{2}$	Hort. 39b—Special Lectures	$\frac{1}{2}$
Total	16 $\frac{1}{2}$	Total	15 $\frac{1}{2}$

FOURTH YEAR

	Hours ¹		Hours ¹
Hort. 25a—Landscape Design	5	Hort. 25b—Landscape Design	5
Hort. 26b—Planting Design	3	Hort. 38—Contracts and Specifications	1
Hort. 37a—City Planning	3	Hort. 37b—City Planning	3
Hort. 39a—Special Lectures	$\frac{1}{2}$	Hort. 39b—Special Lectures	$\frac{1}{2}$
Hort. 40—Care of Plant Materials	2		
Total	13 $\frac{1}{2}$	Total	9 $\frac{1}{2}$

Note: Registration in Horticulture 39 is required of professional students in each semester. Transfer students are not required to make this work up during the course though they are required to offer an equivalent number of hours of horticulture for graduation.

Suggested Electives

FIRST SEMESTER

Arch. 13—History of Architecture	2
Arch. 15—History of Architecture	2
Bot. 4d—Taxonomy	3
Geology 1—General Geology	5
C. E. 55—Roads and Pavements	2
Rhet. 10—Business Writing	2

SECOND SEMESTER

Arch. 14—History of Architecture	2
Arch. 16—History of Architecture	2
Soc. 7—The Social Problems of the Rural Community	2
Zool. 10—Economic Ornithology	2
A. and D.—Sketching	1
Rhet. 10—Business Writing	2

TEACHER TRAINING COURSE (Smith-Hughes)

Students graduating with the degree of Bachelor of Science in Agriculture may qualify to teach under the Vocational Act if they have credit for 14 to 20 hours of Education, including one semester's teaching.

Students applying for the degree of Bachelor of Science in Agricultural Education must take the first two years in the College of Agriculture, as required for the degree of B.S. in Agriculture, and the last two years in the College of Education.

FARMERS' WEEK

The meeting formerly known as the Corn Growers' and Stockmen's Convention, is now conducted as Farmers' Week, held January 22-26, 1923. The program for this meeting is especially arranged to meet the needs of farmers and young men who can spend but a few days away from home, the farm as a unit being considered. Fundamental topics are discussed such as factors determining systems of farming, physical layout of the farmstead, location of buildings, garden and lawn. The maintenance of soil fertility, plant relationships, means of reducing cost of farming operations, importance of accounting, relations of the farmer to his farm organizations, and community standards, are some of the problems studied. Intensive class work is given in animal husbandry, poultry, dairying, farm crops, soils, farm mechanics, farm management, and horticulture.

No entrance examinations are required or fees charged for this course. It is important that everyone should be here at the opening of the session. On arrival at Champaign or Urbana, application should be made at the University Young Men's Christian Association, where information concerning board and room may be obtained.

TRACTOR AND GAS ENGINE SHORT COURSE

Jan. 8-Jan. 13

Jan. 29-Feb. 3

The Department of Farm Mechanics of the College of Agriculture offers each year a series of one week short courses on Farm Tractors and Gas Engines. These courses are given before and after the regular Farmers' Week in January, extending into February. The work given is of a very practical nature and as such is valuable to tractor owners and operators. Eight hours a day are spent on lecture and laboratory work taking up the operation, care, adjustment, and repairs on tractors. Ignition, magnetos, carburetors, transmission systems, clutches, and lubrication systems, are some of the special phases taken up.

Only a limited number can be accommodated, and a small fee is charged. Announcement is made through the Agriculture papers in December, and those desiring to come should get their applications in early.

¹Semester hours. For definition, see page 209.

THE COLLEGE OF LAW

For the *faculty* of the College of Law and for the *courses* in law, see under "Law" in the Description of Courses, Part III; for *fees* and *expenses*, see page 91.

GENERAL STATEMENT

The College of Law offers a three-year curriculum in law, based on an entrance requirement of two years of college work and leading to the degree of Bachelor of Laws (LL.B.); and a four-year curriculum, based on an entrance requirement of two years of college work and leading, at the end of two years, to the undergraduate degree of Bachelor of Science in law (B.S.) and to the professional degrees of Bachelor of Laws (LL.B.) or of Doctor of Law (J.D.) upon completion of the course. The degree of Doctor of Law is also open to students in the three-year curriculum who fulfil the conditions hereinafter specified.

ADMISSION

Three-Year Curriculum.—For admission to the three-year curriculum as a regular student, an applicant must be matriculated and have 60 hours of credit in a college of this University; or have completed two full years of work as given at another college or university of recognized standing, as a matriculated student in such college or university; or have received by transfer 60 hours of university credit here.

Thirty hours of law may be credited toward the degree of Bachelor of Arts in the College of Liberal Arts and Sciences or toward the degree of Bachelor of Science in the College of Commerce and Business Administration. In this manner students may secure in six years both a degree in arts or commerce and a degree in law. This combination of curricula is known as the three-three combined curriculum: see the statement about electives in law in the College of Liberal Arts and Sciences (p. 97) and the curriculum in Commerce and Law (p. 113). A candidate for both degrees must in his fourth year register in the College of Law, and also register or file a copy of his study-list in his other college, as that college may require.

Four-Year Curriculum.—In addition to the three-year curriculum, a four-year curriculum in law is offered which leads to a first degree of Bachelor of Science in law, and a second degree of Bachelor of Laws or of Doctor of Law. The purpose of this course is to provide a broader and more extensive training for students preparing to enter the legal profession, and to offer an opportunity for correlating work in the College of Law with advanced courses in the social sciences. This combination of curricula is known as the two-four combined curriculum. The admission requirement is 60 hours of credit (not including military and physical education) in a college of this University, or equivalent credit from another college or university of recognized standing. Students in this curriculum will normally be candidates for the degree of Bachelor of Science (B.S.) in law in two years and for the professional degree of Bachelor of Laws (LL.B.) or of Doctor of Law (J.D.) upon the completion of the curriculum.

Unclassified Students

In exceptional instances, persons over twenty-one years of age may, with the approval of the Dean, be admitted as unclassified students. In determining whether a person may be admitted as an unclassified student, consideration is given to the applicant's age and experience, as bearing upon his ability to pursue law study successfully, and to the likelihood of his being able to complete the requirements for admission as a regular student. An unclassified student is not a candidate for a degree, and credit earned by one who is an unclassified student at the time he receives the credit may not be counted toward a degree in law.

Neither admission nor attendance as an unclassified student in the College of Law in one semester gives a right to continue as an unclassified student in any subsequent

semester. If an unclassified student's record has been in any respect unsatisfactory, the Dean may refuse permission to register as an unclassified student in any subsequent semester.

An unclassified student is not a member of the first, second or third year classes in the College of Law, or of any class in the University.

Advanced Standing

Students from law schools of approved standing who comply with the requirements for admission to this school may receive by transfer not to exceed two years of credit. Students from other schools may in special cases be given advanced standing upon examination on subjects taken by them in such schools; but no credit will be given for private reading or correspondence study.

REQUIREMENTS FOR GRADUATION

Degree of Bachelor of Science in Law

The degree of Bachelor of Science in law is not a professional degree. Candidates for this degree must offer 130 hours of university credits; but courses open to university freshmen and sophomores will not, when taken by juniors or seniors, count for the degree, except by special recommendation of the College of Law. The required credits must include the following courses or their equivalents:

(a) *Required of all candidates:*

Rhetoric 1, 2, 6 hours;

University Latin, one year, for students not offering two years of high school Latin for entrance;

Mathematics, or the Physical or Natural Sciences, 10 hours;

Psychology or Philosophy, (a course in Logic being required), 6 hours;

Law, not less than 30 or more than 40 hours.

(b) *Additional requirements for students entering from a College of Liberal Arts and Sciences:*

Foreign Language (including the Latin prescribed above), English, Rhetoric, (not counting Rhetoric 1 and 2), or Public Speaking, 20 hours (but in the case of a student offering for entrance three or more high school units of foreign language this requirement will be 12 hours).

Two minors of at least 12 and 8 hours, respectively, in History, Political Science, Economics, Philosophy, Sociology, or Public Speaking.

(c) *Additional requirements for students entering from a College of Commerce and Business Administration:*

Accountancy 1a, 1b, 6 hours;

Business Organization and Operation 1, 3 hours;

Economics 1, 3, 51, and 10, 14 hours;

Additional advanced courses in Economics or Accountancy (Economics 55 being for this purpose an advanced course), 6 hours;

History, Political Science, Philosophy or Sociology, 9 hours;

Foreign Language (including the Latin prescribed above), English, Rhetoric (not counting Rhetoric 1 and 2), or Public Speaking, 10 hours.

A candidate for the degree of Bachelor of Science in law who, at the beginning of an academic year, has attained sixty college credits, exclusive of Military Drill and Physical Training, and so is entitled to admission to the four-year curriculum in law, must register in the College of Law. If he does not so register, he will not be permitted to include courses taken during that year in making up the total of 130 hours required for the degree. However, in order to satisfy subject or group requirements for the degree, he may substitute for credits previously acquired credits obtained that year in courses falling within these requirements.

A candidate who, during an academic year, increases his college credits from under 60 hours to over that number, exclusive of Military Drill and Physical Education, may offer them all toward the 130 required hours, subject to the other requirements for the degree.

All candidates in their first year of work in the College of Law must take Contracts and Torts.

Degree of Bachelor of Laws

The degree of Bachelor of Laws in the three-year curriculum will be conferred on students who complete eighty-four hours of law work distributed over a period equal to three academic years.

The degree of Bachelor of Laws will also be granted to students in the four-year curriculum who shall have complied with the requirements for the degree of Bachelor of Science in law and in addition shall have received credit for 56 hours in legal or other courses; provided that their total credits in law courses shall be not less than 86 hours, and provided that credits allowed in law courses in excess of 86 hours shall be confined to courses in public law or in the legal aspects of economic problems.

In either case the candidate must have pursued the courses of the first year and the second year course in Equity Jurisdiction and have secured grades not lower than C in subjects aggregating at least three-fourths of his law work at the University of Illinois.

Degree of Doctor of Law

The degree of Doctor of Law will be granted to students in the three-year curriculum who comply with the following conditions:

1. Secure a Bachelor's degree in the College of Liberal Arts and Sciences or in the College of Commerce and Business Administration at least two academic years prior to the completion of the courses for the degree of Doctor of Law.
2. Complete the work required for the degree of Bachelor of Laws.
3. Obtain a minimum average grade of B in the College of Law. If the grade is below B, the degree conferred is Bachelor of Laws.
4. Present a thesis approved by the faculty of the College of Law, in accordance with the requirements hereinafter set out.

The degree of Doctor of Law will be granted to students in the four-year curriculum who comply with the following conditions:

1. Complete the work required for the degree of Bachelor of Science in Law.
2. Complete the work of the four-year law curriculum with a minimum average grade of B. If the grade is below B, the degree conferred is Bachelor of Laws.
3. Present a thesis approved by the faculty of the College of Law, in accordance with the requirements hereinafter set out.

Rules Concerning Theses

The following are the rules concerning theses presented for the degree of Doctor of Law: The thesis must be on a subject approved by the Dean of the College of Law after consultation with him as to the proposed method of treatment; it should contain not less than 4,000 nor more than 10,000 words; the student is expected to exhaust the cases decided during the period covered by this thesis, and to state the period for which the cases have been examined; the subject of the thesis must be filed with the Secretary to the Dean on or before December 20 and the thesis must be delivered to the Secretary of the Faculty not later than May 1. The thesis must also satisfy minor and detailed requirements respecting form which will be made known to students at the time their subjects are approved.

The thesis may be returned to the writer for revision or, if unsatisfactory, it may be rejected altogether. If returned for revision it may be rejected after being revised. If accepted it will be filed in the Law Library, and it may be published by the College of Law or by the University.

Certificates for Bar Examination

Any student who has taken in the College of Law at least ten hours a week of law work for the period of three academic years is entitled to a certificate of that fact from the University, which certificate is accepted as evidence of compliance with requirements as to legal study prescribed by the Supreme Court of Illinois as a prerequisite for admission to the bar examination.

Three-Year Curriculum in Law

Fifteen hours of law work should be enough to occupy a student's full time. A student may not register for more than 16 hours without special permission.

FIRST YEAR

(Prescribed)

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Law 1a—Contracts.....	6	Law 1b—Contracts	2
Law 2a—Torts	2	Law 2b—Torts	5
Law 5a—Criminal Law	2	Law 5b—Criminal Law	2
Law 6—Personal Property	2	Law 3—Real Property I, Rights in Land.....	3
Law 44—Actions.....	2	Law 11—Agency	3
Law 45—Legal Bibliography	1		
Total	15	Total	15

SECOND YEAR

The student is required to take the course in Equity in his second year, and is advised to include in the courses of that year Common Law Pleading, Evidence, Real Property II (Titles), and Equity Pleading.

THIRD YEAR

The student is advised to include in the courses of his third year Private Corporations, Conflict of Laws, Illinois Procedure, and the Practise Court.

Suggested Two-Four Combined Curriculum

Students are urged to plan their work from the beginning, bearing in mind departmental prerequisites for individual courses, the subject and group requirements for the degree of Bachelor of Science in law, and also the rule regarding courses open to freshmen and sophomores when taken by students of more advanced standing. The following tabular statement may aid students in planning their studies. The electives listed are more than sufficient to meet the maximum requirement for any student in English, Economics, History, Philosophy, Political Science or Sociology. It is not intended to exclude a wider choice, within or without the departments named, but only to call attention to those courses most likely to meet the student's needs; the faculty of the College of Law believe in allowing the student wide freedom of choice, but they particularly recommend those courses (in whatever departments given) which deal with the origin and development of society, with economics, and with government.

Suggested Curriculum for Students from a College of Liberal Arts and Sciences

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or 51a and 51b—Military Drill and Theory..	1	Mil. 2a and 2b, 12a and 12b, 22a and 22b, or 52a and 52b—Military Drill and Theory..	1
Phys. Ed. 1—Gymnasium	1½	Phys. Ed. 2—Gymnasium	1
Hyg. 1—Hygiene (Men)	1½	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Mathematics or Science	5
Mathematics	5	Latin 11b ² —Beginning Latin, or Modern Language	4
Latin 11a ² —Beginning Latin, or Modern Language	4	Acc'y. 1b—Principles of Accounting	3
Acc'y. 1a—Principles of Accounting	3		
Total	17	Total	17

¹Semester hours. For definition see page 209.

²For students not offering two years of High School Latin for entrance to the University.

SECOND YEAR

	Hours ¹		Hours ²
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or 53a and 53b—Military Drill and Theory..	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory..	1
Econ. 1—Principles of Economics (5) and Pub. Sp. 1—Oral Expression (2)	7	Philos. 1—Logic	3
or		Engl. 20—Writers of the 19th Century (4) and Pub. Sp. 2—Extemp. Sp. (2) and 6 hours chosen from: ³	12
Econ. 2—Principles of Economics (3) and Engl. 1—Survey of English Literature (4)		Econ. 3—Money and Banking (3)	
Hist. 2a—English History	3	Hist. 3b—History of the United States (3)	
Hist. 3a—History of the United States	3	Pol. Sci. 3—State and local Gov. (3) or ³	
Pol. Sci. 1—American Nat. Government	3	Engl. 2—Survey of English Literature (4)	
		Econ. 3—Money and Banking (3)	13
		Hist. 3b—History of the United States (3)	
		Pol. Sci. 3—State and Local Gov. (3)	
Total	17	Total	16 or 17

THIRD YEAR

Law 1a—Contracts	4	Law 1b—Contracts	4
Law 2a—Torts	3	Law 2b—Torts	4
Law 4a—Actions	2	Anglo-American Legal Institutions	3
Hist. 4a—Constitutional Hist. of England ..	3	Hist. 4b—Constitutional Hist. of England...	3
Other electives—see below	3	Other electives—see below	3
Total	15	Total	17

The courses in Contracts and in Torts must be taken in this year. As electives for this year, other than those specified above, attention is invited to the following courses. For the first semester, English 21, 23, 52, 54; History 14a, 14c; Public Speaking 3; Sociology 1; Political Science 9. For the second semester, English 22, 23, 49, 54; History 14b, 14d; Philosophy 2; Public Speaking 4; Sociology 1, 3.

FOURTH YEAR

Law 6—Personal Property	2	Law 3—Real Property I	3
Law 5—Criminal Law	4	Law 11—Agency	3
Law 12a—Equity Jurisdiction I	4	Law 45—Legal Bibliography	1
Law 22a—Constitutional Law	3	Law 22b—Constitutional Law	2
Other electives—see below	3	Other electives—see below	6
Total	16	Total	15

As electives for this year attention is invited to the courses suggested as electives for the third year, and also to the following courses, of which some must and the rest well may be postponed to the fourth year. For the first semester, Economics 41, 51; Political Science 6a. For the second semester, Economics 42, 52; History 42; Philosophy 5, 7; Political Science 6b; Sociology 9, 25.

Fifth and Sixth Years

Sufficient work in law must be taken in these years to bring the student's total credits in law courses in these and in previous years to 86 hours. Credits in law courses in excess of 86 hours will be confined to courses in Public Law or in the legal aspects of economic problems. Courses other than law courses which may well be taken in the fifth and sixth years include: Economics 10, 11, 44, and 55, and Political Science 4 and 18.

¹Semester hours. For definition, see page 209.

²For students who take Econ. 1 and Pub. Spk. 1 in the first semester.

³For students who take Econ. 2 and Engl. 1 in the first semester.

Suggested Curriculum for Students from a College of Commerce and Business Administration

FIRST YEAR

The same as for students from a college of Liberal Arts and Sciences.

SECOND YEAR

FIRST SEMESTER

Hours¹

Mil. 3a and 3b, 13a and 13b, 23a and 23b, or 53a and 53b—Military Drill and Theory..	1
Acc'y. 2a—Intermediate accounting	3
Econ. 1—Principles of Economics	5
Hist. 3a—History of the United States	3
Philos. 1—Logic	3
Pol. Sci. 1—American Nat. Government	3

Total 18

SECOND SEMESTER

Hours¹

Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory..	1
Acc'y. 2b—Intermediate accounting	3
Econ. 3—Money and Banking	3
Business Organization and Operation 1	3
Engl. 20—Writers of the 19th Century ²	4
Hist. 3b—History of the United States	3

Total 17

THIRD YEAR

Law 1a—Contracts.....	4
Law 2a—Torts	3
Law 4a—Actions.....	2
Acc'y. 3a—Advanced Accounting	3
Hist. 4a—Constitutional Hist. of England ..	3

Total 15

Law 1b—Contracts	4
Law 2b—Torts	4
Anglo-American Legal Institutions	3
Acc'y. 3b—Auditing or Acc'y. 4b—Systems ..	3 or 2
Econ. 10—Corporation Management and Finance	3

Total 16 or 17

FOURTH YEAR

Law 5—Criminal Law or	
Law 14—Carriers and Public Utilities	4
Law 6—Personal Property	2
Law 12—Equity Jurisdiction I.....	4
Law 22a—Constitutional Law or	
Law 15—Bills and Notes.....	3
Econ. 51—Public Finance	3

Total 16

Law 3—Rights in land or	
Law 9—Sales	3
Law 11—Agency	3
Law 22b—Constitutional Law or	
Law 19—Partnership	3
Law 28—Insurance or	
Law 45—Legal Bibliography	1
Philos. 2—Introduction to Philosophy or	
Philos. 7—Ethics	3
Philos. 9—Political and Social Ethics or Advanced Economics or Accountancy ..	3

Total 16

FIFTH AND SIXTH YEARS

The same as for students from a College of Liberal Arts and Sciences.

The Law Library

The Law Library contains over 30,000 volumes, including all the reports of the courts of last resort of all the states; the United States Supreme, Circuit, and District Court reports; the National Reporter System; the English reports; the Irish reports; the Scotch appeal cases; the current Canadian and Australian reports, and complete reports of several of the Canadian provinces; the statutes of the various states; several sets of selected cases, such as the American reports, American State Reports, American Decisions, Lawyers Reports (Annotated), and American and English encyclopedias and digests; and a full collection of standard text-books and legal periodicals.

Practise Court

The sessions of the Practise Court are open to members of the third year class. The court is presided over by Judge O. A. Harker, who has had an experience of twenty-five years as a judge of the Circuit and Appellate Courts of Illinois. It is the purpose to have the proceedings of the Practise Court conform to proceedings in the various courts of the state. Students are trained in the preparation of pleadings, brief making, legal investigation and argument, the preparation of legal documents, and in the trial of cases, both civil and criminal.

¹Semester hours. For definition, see page 209.

²If Philosophy is taken in the second semester instead of the first, it will be feasible to substitute Public Speaking 1 and 2 for English 20.

Scholarships

Eight scholarships are open to matriculated students of the first and second years, to be awarded at the end of each year, four of \$37.50 each semester and four of \$18.75 each semester, available in discharge of incidental fees.

Illinois Law Quarterly

The *Illinois Law Quarterly* is devoted to the scientific study and investigation of the law, and gives particular attention to problems of interest to the Bar of Illinois. It is edited by the faculty and a board of student editors, the members of which are chosen primarily on the basis of scholarship. The publication of the *Quarterly* and its use in connection with various courses are a part of the educational program of the College of Law.

Order of the Coif

Each year ten percent. of the senior class (or a minimum of three) are eligible to the Order of the Coif, a national honorary law society organized to promote scholarship in law, which was established at the College of Law, University of Illinois, in the year 1904. Elections of seniors to the Order of the Coif are held at the beginning of the second semester.

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY

DAVID KINLEY, PH.D., LL.D., PRESIDENT OF THE UNIVERSITY

ARTHUR HILL DANIELS, PH.D., *Professor of Philosophy and Dean of Graduate School*
ROGER ADAMS, PH.D., *Professor of Organic Chemistry*
WILLIAM LEONIDAS BURLISON, PH.D., *Professor of Crop Production*
EDWARD HERBERT CAMERON, PH.D., *Professor of Educational Psychology*
ALBERT PRUDEN CARMAN, A.M., D.Sc., *Professor of Physics*
LAURENCE MARCELLUS LARSON, PH.D., *Professor of History*
WILLIAM ABBOTT OLDFATHER, PH.D., *Professor of Classics*
HENRY PERLEY RUSK, M.S., *Professor of Beef Cattle Husbandry*
STUART PRATT SHERMAN, PH.D., L.H.D., *Professor of English*
ARTHUR NEWELL TALBOT, C.E., D.Sc., D.ENG., *Professor of Municipal and Sanitary Engineering and in charge of Theoretical and Applied Mechanics*
EDGAR JEROME TOWNSEND, PH.D., LL.D., *Professor of Mathematics*
HENRY BALDWIN WARD, PH.D., D.Sc., *Professor of Zoology*
GORDON S. WATKINS, PH.D., *Associate Professor of Economics*
ARTHUR CUTTS WILLARD, B.S., *Professor of Heating and Ventilation*

HISTORY AND ORGANIZATION

The University of Illinois offered facilities for advanced study and research in various lines as early as 1872. Organized graduate instruction, however, under the name of the Graduate School, was first undertaken in 1892. In 1894 the administration of the school was vested in the Council of Administration, and the Vice-President of the University became Dean of the School. In 1906 the Graduate School was organized as a separate faculty, consisting of a dean and members of the University faculty assigned to this duty by the President.

By action of the Trustees the teaching faculty of the Graduate School includes all members of the University faculty who give instruction in approved graduate courses. The affairs of the School, however, are in charge of the Executive Faculty appointed each year by the President.

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the Faculty after the student has demonstrated by his work here, for from two to five months, that he has the ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to students who have had the requisite undergraduate work in those courses or departments; but a student of mature age who satisfies the Dean and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

CHARACTER OF GRADUATE WORK

The principal aim of graduate study is the development of the power of independent work and the promotion of the spirit of research. Each candidate for a degree is expected to have a wide knowledge of his subject and of related fields of work; for the graduate student is not expected to get from lecture and laboratory courses all the knowledge and training necessary to meet the requirements for his degree.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year graduate students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester. The registration of a new student may be accepted at any time, provided the student is prepared to take up courses actually under way. Credit toward the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

A new student must fill out in duplicate an application for admission and submit it to the Registrar, from whom, after the approval of his application, he will receive a card of admission and a study-list which will give details of procedure in registering. He should fill out the study-list after consultation with his advisor, or the person in charge of his major work, and also with the instructors whose courses he wishes to elect. *In all cases, registration must be completed within two weeks.* Otherwise it is subject to a fee of one dollar.

Changes in Study-Lists.—A graduate student is expected to plan his work so carefully that changes in his study-list during the semester will not be necessary. When a change seems advisable, however, it may be permitted without fee if made within three weeks of the date of registration. After that date a fee of one dollar is charged for each change, except that the total charge for rearrangement authorized on any one change slip shall not exceed two dollars.

Advanced Undergraduate Courses Open to Graduate Students—1. *Courses not open to students below senior standing.* Unless otherwise specified on the student's program by the department concerned, such courses listed for four or five hours of undergraduate credit are treated as unit courses for graduate credit; or as half-unit courses when listed for fewer than four hours of undergraduate credit.

2. *Courses open to students of junior standing.* Unless otherwise specified on the student's program by the department concerned, such courses listed for four or five hours of undergraduate credit are treated as half-unit courses for graduate credit, or as quarter-unit courses when listed for two to three hours of undergraduate credit. Courses to which sophomores are regularly admitted may not be taken for graduate credit, either major or minor.

Transfer of Undergraduate Credit.—No credit earned during the undergraduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of the senior year, and then only for minor subjects, and on petition. When undergraduate courses with variable semester hours are counted for graduate credit, the transfer is made on the basis of one unit for four semester hours.

Seniors and Graduate Study.—If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses; but such election must be in accordance with Graduate School rules and must be approved by the Dean at the time of registration. *In no case, without petition, may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture, or laboratory exercises a week.*

Miscellaneous and Listeners' Courses.—Graduate students are permitted under proper circumstances to attend classes as listeners, and to elect miscellaneous subjects, that is, courses which do not count toward an advanced degree. Listeners' cards may be obtained

at the Dean's office. Under the authority conferred by the faculty on the Dean no student with a full minimum program will be permitted by the Dean to visit more than one class or to take more than one miscellaneous subject, nor is any subject open as a listener's or miscellaneous course unless it has a specific educational bearing on the student's major or minor subjects of study.

A student who elects a miscellaneous course is required to register in it, do the work, and pass the semester examinations, unless he is permitted to withdraw according to rule. A student who has a listener's card is not permitted to participate in the classwork or the examination.

No student may register for a full minimum program of work for graduate credit if it is necessary for him to carry at the same time more than one miscellaneous subject and to visit one course.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, or his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work of their degrees.

Graduate Study in the Summer.—Graduate students in the summer session are subject to the same scholastic requirements as those in the regular University year. Their study lists must be approved by the Dean of the Graduate School, or his representative. Attendance on four summer sessions, or one semester and two summer sessions, is considered the equivalent of one year in residence. If in these sessions the required amount of work is properly done a master's degree may be earned in this way. The faculty is unwilling to accept summer-session work beyond the master's degree toward the doctor's degree, except in the case of a student who works in a summer session preceding or following a regular year's attendance at the University. In no case may the last year's work for the doctorate be done in disconnected summer sessions.

No course offered in the summer session may be taken for credit toward a higher degree unless it is specially described in the summer-session circular as accepted for that purpose.

Summer Work in Medical Sciences.—Graduate courses in medical sciences are offered in the summer quarter between June and September at the College of Medicine of the University of Illinois in Chicago. Circulars describing the courses offered and conditions of admission and work may be obtained from the Secretary of the College of Medicine, Congress and Honore Streets, Chicago.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Dean's office. See the regulations concerning changes in study lists, page 162. If he wishes to withdraw from the University he must get clearance papers at the Dean's office.

DEGREES

Masters' Degrees

Character of Masters' Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practise is that A.M. shall follow A.B., that M.S. shall follow B.S. However, this practise may be departed from in cases where the undergraduate course of study of the candidate was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practise is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires 10 hours of time a week through one semester, or a minimum of 180 hours, irrespective of the mode of distribution of that time in class work, laboratory work and private study. Four such courses or their equivalent constitute a full *minimum*

program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upward).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case during his course is he allowed to attend more than twelve exercises a week, without permission.

Work Done Elsewhere.—Members of the staff and high school teachers residing and employed in Urbana or Champaign who have done graduate work in approved institutions elsewhere may, by passing examinations in that work, secure credit not to exceed four units toward the master's degree. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Students in zoology who take work in a marine or fresh-water biological laboratory or station are permitted to offer not fewer than six weeks nor more than nine weeks of such work in partial fulfilment of the requirement for the master's degree.¹ This privilege is granted only when the work is done with the permission of the faculty (secured in advance), in an approved laboratory, and under instructors accepted by the faculty. Credit for such work may be secured by examination after the student has submitted an official certificate of attendance at the laboratory or station, together with a full written report of the work done there. No candidate for the master's degree may avail himself of this provision who is not registered in the Graduate School for one full academic year, during which he shall do the rest of the work necessary for his degree.

Similar arrangements are made, under similar conditions, for students of geology in connection with Geological Surveys.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and by the Executive Faculty of the Graduate School. Such approval, except in case of students working for a master's degree in summer sessions only, must be secured not later than six weeks from the time when the student begins his year of residence. Students working for a master's degree exclusively in summer sessions must announce their thesis subjects not later than the beginning of their third session in residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and with the approval of the Dean, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upward.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis paper,"² and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be left by the professor in charge at the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

¹The experience at a marine laboratory which, as indicated above, is optional with the candidate for the master's degree, is required of all candidates for the doctorate in zoology.

²No other will be accepted by the Dean. "Instructions for the preparation of theses" may be obtained at the Dean's office.

Thesis Work on Leave of Absence.—Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must present satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

Grades.—While the system of grading is the same as for undergraduates (see page 76), the master's degree will not be awarded to any student who does not secure a grade of B or higher in three-fourths of the work (number of units) for the degree, including his thesis.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

SECOND DEGREES IN ENGINEERING

Two classes of second degrees are open to graduates of the College of Engineering, namely, academic and professional.

The academic second degree in engineering is Master of Science, following Bachelor of Science, in architecture, architectural engineering, civil engineering, electrical engineering, etc. This degree is conferred in accordance with the regulations described above for *academic work in residence only*.

The *professional* second degrees in engineering are as follows:

Master of Architecture, after B.S. in architecture.

Architectural Engineer, after B.S. in architectural engineering.

Ceramic Engineer, after B.S. in ceramic engineering.

Civil Engineer, after B.S. in civil engineering or B.S. in municipal and sanitary engineering.

Electrical Engineer, after B.S. in electrical engineering.

Mechanical Engineer, after B.S. in mechanical engineering.

Engineer of Mines, Civil Engineer, Electrical Engineer, or Mechanical Engineer, after B.S. in mining or railway engineering, according to the course.

Professional degrees are conferred on two classes of candidates: (1) graduates of the College of Engineering of the University of Illinois who have been engaged in acceptable professional work away from the University at least three years after receiving the degree of Bachelor of Science; (2) graduates of the University of Illinois, or of institutions of equal standing who have been engaged in acceptable professional work in residence at the University for three years after receiving the degree of Bachelor of Science.

In "acceptable professional work" may be included contributions to technical literature, activity in professional societies, investigation of engineering problems, and the teaching of engineering subjects.

A candidate must declare his candidacy and file with the Dean of the College of Engineering, as chairman of the committee in charge, a detailed statement covering his professional study and experience, not later than the first Monday in November preceding the commencement at which he proposes to qualify. Prior to December 31 next succeeding, he must submit for approval an outline of his proposed thesis and he must file his completed thesis not later than April 1. If the statement of professional experience and study and the thesis are accepted, the candidate must present himself at commencement in order to receive the degree.

Candidates for professional engineering degrees who already hold the degree of Master of Science may qualify for the professional degree after two years of professional work.

A candidate for a professional engineering degree must pay the incidental fee of fifty dollars on being notified that his professional study and experience are accepted as qualifying him to enter as a candidate for the degree. No one will be enrolled as a candidate for the degree at the following commencement who does not pay his fee at this time. When a candidate for a professional engineering degree has once been accepted and has paid his fee, he is eligible on completion of the requirements to receive the degree at any time within five years, without additional fee; provided, however, that unless he completes the requirements within two years his name will be dropped from the list of candidates and that in order to receive the degree within the five-year period he must register once more.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Majors and Minors.—Each student who is seeking the degree of Doctor of Philosophy is expected to choose for study and final examination a major subject, or field of study, and a first and a second minor. The major subject is the field in which the student expects to become expert and an authority.

One minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a division of the major field of study. The remaining minor must be taken from a department of study other than that of the major.

For the doctor's degree no definite division of a student's time among major and minors can be made, to hold in all cases. In general the faculty approves an arrangement which, distributing the student's time through the required three years, apportions it equally among his three subjects in his first year of graduate study; in the proportion of two to one, as between his major and first minor, in the second year of graduate study (his second minor being finished and dropped at the end of the first year); and gives all his time to his major during his third year.

While "full-time work" in the first year of graduate study, leading usually to a master's degree, is at least eight units for the two semesters, full-time work after the first year is not reckoned in units. The student is simply required to devote all his time to his work. Nor is there any necessary correspondence between the number of courses taken and the number of units required in the first year, or full-time work in any year. A first-year student might possibly secure all the credit necessary in two or three courses; and a second-year or third-year student might conceivably be devoting all his time to one course and his research or to his research alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Credit for work done in other universities is not "transferred". The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted, so far as it goes, in fulfilment of the residence requirement of the University of Illinois.

Examinations

Preliminary.—*A. In major and minors.*—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years of graduate work. He must do a full year of graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but it is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere, or even to the field covered by the courses specifically taken in this or other universities; but it will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

If, after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied. These examinations are in addition to those in the courses for which the student is registered. They must be taken at the times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*¹, and in final form, must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination and not later than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars (\$75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars (\$75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instruction for the preparation of masters' and doctors' theses", copies of which may be obtained at the Dean's office on application.

Doctor's Degree in Engineering.—The degree of Doctor of Philosophy in Engineering is offered for academic work of a high scholastic type in engineering science to students who wish to prepare themselves as teachers, investigators, and experts.

The general requirements for this degree, as to preliminary education, linguistic attainments, etc., are the same as in other departments.

The following branches of engineering science are open as majors: engineering mechanics, steam engineering, hydraulic and sanitary engineering, electrical engineering, heating and ventilation engineering, railway engineering, masonry construction and structural engineering, and coal-mining engineering.

The first minor may be any of the sciences mentioned above or one of the following or an authorized combination of two of them: theoretical mechanics, mathematics, thermodynamics, chemistry, geology, physics (experimental or mathematical), zoology, botany and economics.

The second minor should be in other than engineering subjects.

SCHOLARSHIPS AND FELLOWSHIPS

Several scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of \$300 each and freedom from tuition, incidental, and laboratory fees.² To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying

¹No other will be accepted by the Dean.

²Up to a certain amount.

from \$350 to \$500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Unless he holds a first degree from the University of Illinois, each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois, or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March 1, until after April 15, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April 1 and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April 15; and they must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal field of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

For second-year fellowships, adequate preparation in French, and for third-year fellowships, adequate preparation in French and German is required.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of any one who has shown distinguished merit in his work.

The Carr Fellowship in Chemistry

The Honorable Robert F. Carr, of the class of 1893, gave in 1919 the sum of ten thousand dollars, the income of which is to be used as the stipendium of a fellowship in chemistry or chemical engineering.

Research Graduate Assistants in the Engineering Experiment Station

The Engineering Experiment Station is devoted entirely to research. Its purposes are the study of problems of special importance to engineers and to manufacturing, railway, mining, and industrial interests, and the stimulation and elevation of engineering education.

Fourteen research graduate assistantships have been established in the Engineering Experiment Station. These graduate assistantships are open to graduates of approved technical schools and universities. There is a stipend of \$500 a year for each. Applicants to whom these graduate assistantships are awarded are required to agree to hold them for two years, devoting one-half of their time to the work of the Engineering Experiment Station. At the expiration of this period, if all requirements have been met, the degree of Master of Science will be conferred.

Applications for these graduate assistantships should be made to the Director of the Engineering Experiment Station not later than February 1. Candidates must present with their applications full information concerning themselves, including any written or published papers or results of investigation.

Corning Glass Works Fellowships

In June, 1920, the National Research Council created a fellowship in the Department of Ceramics with funds given it by the Corning Glass Works. The appointees to this fellowship have the status of fellows or half-time research assistants; they are given the use of the University's laboratories, under the condition that they pay for the materials used and the equipment damaged.

Social Hygiene Board Fellowships

In January, 1920, the U. S. Interdepartmental Social Hygiene Board gave to the University \$3,500, of which \$3,000 has been used to establish three fellowships of \$800 and one fellowship of \$600 in chemistry. The holders are given the same privileges as the persons holding Carr Fellowships in Chemistry.

DuPont Fellowships

DuPont de Nemours and Company gave the University in 1918 the sum of \$750.00 with which to establish a fellowship in chemistry. They have repeated the gift in the succeeding years.

THE ILLINOIS HISTORICAL SURVEY

The Illinois Historical Survey is a department of the Graduate School established in 1910 to conduct research in the history of the State of Illinois. It possesses extensive collections of source materials for western history and is continually adding to them. It assists the Illinois State Historical Library in the publication of these and other materials in the *Illinois Historical Collections*. It also offers to graduate students direction in the preparation of theses or monographs based on its collections.

The following persons constitute the staff of the Survey for the year 1922-1923: Laurence M. Larson, Ph.D., Professor of History, Director; Theodore Calvin Pease, Ph.D., Assistant Professor of History, Assistant Director; Ameda R. King, Assistant.

GRADUATE WORK IN THE SUMMER SESSION

The Summer Session places emphasis on graduate courses leading to the master's degree. The departments related to high school teaching and to educational administration have been selected as the centers of this emphasis. An attempt is made to vary the graduate offerings from year to year so that advanced students each year may find acceptable work in their chosen fields.

The normal requirement for the master's degree is full work of graduate grade, satisfactorily completed, through one year of residence. This means a residence of thirty-six weeks at the University. Qualified graduate students may fulfill this residence requirement in four summer sessions of eight weeks each.

In certain cases it will be possible for the graduate student to complete the last fourth of his residence requirement under a leave of absence. This privilege may be granted in the event that the student is able to take advantage of opportunities for research and investigation that are not afforded in the University community. Superintendents, principals, and class-room teachers frequently find it possible to carry on investigations in connection with their school work. There are, for example, numerous problems of school administration and of teaching for which the public school itself forms the only available "laboratory". Where the investigation of such problems is prosecuted with the cooperation of a department of the University, it may be possible to count the work toward the master's degree.

THE LIBRARY SCHOOL

For a description of the *Library Building*, see page 52, for an account of the *libraries* themselves, see page 54; for the *collection in library economy*, see page 58; for *fees*, see page 91.

GENERAL STATEMENT

The Library School offers a two-year curriculum to college graduates who wish to enter librarianship as a profession, and certain library courses to students in other schools and colleges of the University who may wish to elect them as a part of their course of training. The instruction in the first or junior year covers the generally accepted methods and practises in library work; students who complete this year's work are prepared to accept positions in library service. In the second or senior year emphasis is placed on historical and comparative methods of treatment; new subjects are introduced to give the student the necessary outlook and equipment for more responsible positions.

Altho stress is laid on simplicity and economy, methods are taught to enable students to work in large libraries where bibliographic exactness is required. Emphasis is laid on the extension of the activities of the public library, and on the importance of cooperation between the library and the schools and other educational and social agencies.

A member of the senior class in any other school or college of the University may, with the approval of the Director of the Library School, elect any course for which he is prepared.

The school also offers to freshmen and sophomores a course on the use of the University library and the ordinary reference books.

ADMISSION

Admission to the Library School is conditioned on the presentation of credentials showing that the applicant holds a bachelor's degree in arts or science from the University of Illinois or has had other equivalent training. No entrance examinations are required.

Application blanks for admission may be secured from the Director of the School, and these, filled out, should be filed, together with such documentary material as the candidate may offer, showing qualifications for admission, generally not later than August 1. It is to the candidate's interest to present application and certificates early, in order that the question of admission may be settled before he comes to Urbana.

Recommended Preliminary Curriculum

Undergraduates who intend, on the completion of their college work, to apply for admission to the Library School, are requested to select their courses so as to conform in general to the following recommended program of studies preparatory to library work.

English literature, 10¹; Rhetoric, 6.

Latin, 8, in addition to four years of high school Latin.

German, 12, in addition to two years of high school German.

French, 8, in addition to two years of high school French.

German and French begun in college instead of in high school should be continued for a longer period.

Medieval and Modern European history, 6; history of England, 6; history of the United States, 6.

Economics, 6; political science, 4; sociology, 6.

Philosophy, 4; general psychology, 4.

Zoology, 6; botany, 4; chemistry or physics, 6.

The total of this work is 102 semester hours, leaving the equivalent of about one year of a four-year course free for work in other subjects or for more work in the subjects named.

Advanced Standing

College graduates who have had approved library experience or who have attended other library schools may be accorded advanced standing by securing credit for some of the

¹The figure after each subject denotes the minimum number of semester hours which the student should devote to that subject.

courses required for graduation. After satisfying all entrance requirements and after matriculation, the applicant for advanced standing may secure such credit either by examination or by transfer of credits from an approved institution offering courses in library economy. (See page 68.)

Unclassified Students

It is the practise of this School to admit as unclassified students only those mature persons who, tho unable to meet the formal requirements for entrance, are prepared for thoro and advanced work. Such persons must present evidence of possessing the information and ability to pursue profitably, as unclassified students, the chosen subjects, and some substitute for the regular requirements for entrance, such as the completion of part of a college course, approved library or teaching experience, or foreign travel. Preference will be given to those already engaged in library work, especially in Illinois libraries. Students thus admitted are expected to take the entire curriculum prescribed for those who are candidates for the degree of Bachelor of Library Science.

PREPARATION FOR SPECIAL LIBRARIES

For the benefit of students who plan to work in special libraries, a modification of the senior course may be permitted. A student who has satisfactorily completed the work of the junior year may petition for such modification, provided he intends to work in a business, technical, agricultural, or other special library, and provided his undergraduate courses included a sufficient number in the field in which he expects to specialize. In such instances, the faculty may permit the student to substitute for certain of the Library School courses, such electives in the various colleges of the University as will fit the student for special library work in the subject selected.

LIBRARY VISITS AND FIELD WORK

Each year all the students in the School visit the libraries and certain of the book binderies, book stores, and printing establishments of either Chicago and vicinity or St. Louis and vicinity. During this visit, which occupies one week, the students are accompanied by members of the faculty.

The estimated expense of this visit is about \$30 for each trip. Students are required to present a written report of the week's visit on their return to the University, as the work forms part of Library 23 and Library 26.

In order to assure a varied library experience, each student in the senior year is required to spend one month in an assigned library, usually a public library, working, as far as practicable, under the same conditions as a member of the staff of that library, but without compensation. Written and oral reports of the month of field work are required, as the work forms part of Library 26. The estimated expense for the month of field work has been about \$50.

CURRICULUM

The curriculum is two years in length. For graduation a student must receive credit for all courses except those marked with an asterisk (*), which are elective. The degree of Bachelor of Library Science is conferred on a student who has completed the required work in the two years' curriculum, and has received credit in courses amounting to 62 semester hours.

FIRST SEMESTER		JUNIOR YEAR		SECOND SEMESTER	
	Hours ¹		Hours ¹		Hours ¹
Lib. Sc. 2a—Reference	3	Lib. Sc. 2b—Reference	3		
Lib. Sc. 3a—Selection of Books	2	Lib. Sc. 3b—Selection of Books	2		
Lib. Sc. 16—Order and Accession	2	Lib. Sc. 30—Practise	3		
Lib. Sc. 17—Classification	3	Lib. Sc. 7—History of Libraries	2		
Lib. Sc. 18—Cataloging	3	Lib. Sc. 19—Trade Bibliography	1		
Lib. Sc. 20—Loan Department	3	Lib. Sc. 21—Printing, Binding, Indexing	2		
Lib. Sc. 23a—Library Administration	1	Lib. Sc. 22—Library Extension	3		
		Lib. Sc. 23b—Library Administration	1		
Total	15	Total	17		

¹Semester hours. For definition, see page 209.

FIRST SEMESTER		SENIOR YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Lib. Sc. 41a—Subject Bibliography	1	Lib. Sc. 41b—Subject Bibliography	1		
*Lib. Sc. 8—Advanced Reference	2	Lib. Sc. 9—History of Printing	2		
Lib. Sc. 40a—Practise	3	Lib. Sc. 40b—Practise	3		
Lib. Sc. 13a—Public Documents	2	*Lib. Sc. 42—Public Documents	3		
Lib. Sc. 15a—Seminar	2	Lib. Sc. 15b—Seminar	2		
Lib. Sc. 24a—Selection of Books	2	Lib. Sc. 24b—Selection of Books	2		
Lib. Sc. 26a—Library Administration	3	Lib. Sc. 26b—Library Administration	3		
*Lib. Sc. 27—Bibliographical Institutions ...	1	*Lib. Sc. 28—Practise	1 to 4		
		*Lib. Sc. 29—Advanced Classification	2		
		*Lib. Sc. 43—High School Library Adminis- tration	2		
Total	16	Total	21 to 24		

LIBRARY CLUB

Any member of the Library School faculty or of the staff of the University Library and any student in the Library School may become a member. Six meetings are held each year.

ALUMNI LOAN FUND

The University of Illinois Library School Association has voted to make all surplus funds in its treasury available for loan to senior library school students. About \$1,000 are available for that purpose on the vote of the School faculty.

In addition to the courses of the regular two years' curriculum, the School also offers to its students the advantages of hearing lectures by men and women prominent in bibliographical and library fields. From eight to ten such additional lectures on subjects connected with librarianship are given each year.

¹Semester hours. For definition, see page 209.

THE SCHOOL OF MUSIC

For *admission* to the School of Music, see the general statement of entrance requirements of the University, pages 62-75. For *fees*, see page 91. For the *faculty* of the School of Music and description of the *courses* in music, see under "Music" in the "Description of Courses", Part III.

GENERAL STATEMENT

The School of Music offers regular courses leading to the degree of Bachelor of Music.

In conjunction with the College of Education the degree of Bachelor of Science in Music Education is offered to students completing the curriculum in Public School Music (see page 116).

All students majoring in a practical subject are required to take Music 94 (Recital) in the Junior and Senior years.

Students of the School of Music are not allowed to participate in any musical activity outside the University without the consent of the Director of the School of Music.

All courses in History, Theory, and Appreciation of Music are open to students free of charge.

The University Choral Society and the University Orchestra are open to qualified persons from any College.

The faculty of the School of Music give recitals and lectures on musical subjects during the year.

ADMISSION

See the statement of the entrance requirements of the University, pages 62 to 75.

REQUIREMENTS FOR GRADUATION

Candidates for the degree of Bachelor of Music must offer credit for 130 semester hours, including the prescribed subjects named below, together with an acceptable thesis on a topic related to music.

All music students are expected to attend the concerts and recitals which are given under the auspices of the School of Music.

Public performance being part of the course of study in a practical subject, all students are required to participate in a program when sufficiently prepared.

The Course in Public School Music

Candidates for the degree of Bachelor of Science in Music Education will enter the College of Education at the beginning of the third year. For the curriculum see page 116.

Curriculum in Music

Leading to the degree of Bachelor of Music

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours
Music 3—Harmony	2	Music 4—Harmony	2		
Music 42a, 52a, 62a or 81—Piano, Voice, Violin or Organ (Major subject)	4 ²	Music 42b, 52b, 62b, or 82—Piano, Voice, Violin, or Organ (Major subject)	4 ²		
Music 46a, 56a, 66a, or 83a—Piano, Voice, Violin, or Organ (Minor subject)	2 ³	Music 46b, 56b, 66b, or 83b—Piano, Voice, Violin, or Organ (Minor subject)	2 ³		
Music 21—Ear Training and Sight Singing ..	1	Music 22—Ear Training and Sight Singing ..	1		
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3		
Foreign Language—French, German, Italian, or Spanish	4	Foreign Language—French, German, Italian, or Spanish	4		
Phys. Ed. 7a—Gymnasium (Women)	1	Phys. Ed. 7b—Gymnasium (Women)	1		
Hyg. 2—Hygiene (Women)	1	Phys. Ed. 2—Gymnasium (Men)	1		
Hyg. Ed. 1—Gymnasium (Men)	1½	Mil. 2a and 2b, 12a and 12b, 22a and 22b, or 52a and 52b—Military Drill and Theory ..	1		
Mil. 1a and 1b, 11a and 11b, 21a and 21b, or 51a and 51b—Military Drill and Theory ..	1½				
	1				
Total, Men	18	Total, Men	18		
Total, Women	18	Total, Women	17		
		SECOND YEAR			
Music 1—History of Music	2	Music 2—History of Music	2		
Music 5—Advanced Harmony	3	Music 6—Advanced Harmony	3		
Music 43a, 53a, 63a, or 84—Piano, Voice, Violin, or Organ (Major subject)	4	Music 43b, 53b, 63b, or 85—Piano, Voice, Violin, or Organ (Major subject)	4		
Music 46c, 56c, 66c, or 83c—Piano, Voice, Violin, or Organ (Minor subject)	2	Music 46d, 56d, 66d, or 83d—Piano, Voice, Violin, or Organ (Minor subject)	2		
Music 23—Ear Training and Sight Singing ..	1	Music 24—Ear Training and Sight Singing ..	1		
Foreign Language, or Elective ⁴	4	Foreign Language, or Elective ⁴	4		
Phys. Ed. 8a (Women)	1	Phys. Ed. 8b (Women)	1		
Mil. 3a and 3b, 13a and 13b, 23a and 23b, or 53a and 53b—Military Drill and Theory ..	1	Mil. 4a and 4b, 14a and 14b, 24a and 24b, or 54a and 54b—Military Drill and Theory ..	1		
Total	17	Total	17		
		THIRD YEAR			
Music 7—Counterpoint, Canon and Fugue ..	3	Music 8—Counterpoint, Canon and Fugue ..	3		
Music 44a, 54a, 64a, or 86—Piano, Voice, Violin, or Organ (Major subject)	5 ⁵	Music 44b, 54b, 64b, or 87—Piano, Voice, Violin, or Organ (Major subject)	5 ⁵		
Music 46e, 56e, or 83e—Minor subject	2	Music 46f, 56f, 66f, or 83f—Minor subject ..	2		
Educ. 25—Educational Psychology	3	Music 94a—Recital	2		
Engl. 1—Survey of English Literature	4	Engl. 2—Survey of English Literature	4		
Total	17	Total	16		
		FOURTH YEAR			
Music 9—Analysis, Musical Form	2	Music 10—Analysis, Musical Form	2		
Music 15—Instrumentation	1	Music 16—Instrumentation	1		
Music 45a, 55a, 65a, or 88—Piano, Voice, Violin, or Organ (Major subject)	5 ⁵	Music 45b, 55b, 65b, or 89—Piano, Voice, Violin, or Organ (Major subject)	5 ⁵		
Music 46g, 56g, 66g, or 83g—Minor subject ..	2	Music 46h, 56h, 66h, or 83h—Minor subject ..	2		
Educ. 10—Technic of Teaching	3	Music 94b—Recital	2		
Engl. 23—Introduction to Shakespeare	3				
Total	16	Total	12		

MUSICAL ORGANIZATIONS

The University Choral Society is conducted by the Director of the School of Music, and gives two choral concerts during the year. The chorus meets once a week. Faculty, students of the University, and singers of the community are admitted by examination or conference with the Director.

The University Orchestra is conducted by the Director of the University Bands, and meets for rehearsal once a week. Concerts are given throughout the year. It is open to all students who qualify for membership.

¹Semester hours. For definition, see page 209.

²Two lessons each week, with two hours of practise required daily.

³One lesson each week, with one hour of practise required daily.

⁴Elective may be taken only if the student has offered three or more units of foreign language for entrance to the University.

⁵Two lessons each week, with three hours of practise required daily.

THE SCHOOL OF RAILWAY ENGINEERING AND ADMINISTRATION

GENERAL STATEMENT

The School of Railway Engineering and Administration has been established to prepare men for the technical and administrative departments of railroads. The work offered is arranged in five different curricula, any one of which is designed to occupy four years' time. The curricula are:

- Railway Civil Engineering
- Railway Electrical Engineering
- Railway Mechanical Engineering
- Railway Administration
- Railway Transportation

The first three of these curricula are administered by the College of Engineering, and a description of them appears with that of other curricula offered by this College. Students are admitted to them under the same conditions as to other curricula of the College of Engineering, and they have available for their use all of the library, drafting-room, and laboratory facilities which constitute the equipment of this College. The last two curricula are administered by the College of Commerce and Business Administration; they are described in detail in connection with the other curricula of this College. Students are admitted to them under the same conditions as to other curricula of the College of Commerce and Business Administration.

It is the purpose of each of these curricula to add to a foundation of general discipline and specialized training for those who look forward to careers in railway service.

THE COLLEGE OF MEDICINE

For the *faculty* of the College of Medicine, see page 31; for a description of the *building*, see page 53; for fees, see page 92; for scholarships, see pages 90 and 177.

GENERAL STATEMENT

The College of Medicine of the University of Illinois is in Chicago, located in the city block bounded by Harrison, Congress, Honore, and Lincoln streets.

ADMISSION

For the requirements for admission, see page 69.

Unclassified Students

The general rule of the University with reference to unclassified students applies to the College of Medicine: "Persons over twenty-one years of age, *not candidates for a degree*, may, on approval of the Dean, be admitted to classes for which they are prepared.

Advanced Standing

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine of the University of Illinois, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from the college in which he pursued his medical studies and be eligible for promotion therein. He must further be able to comply with the requirements for such promotion in the University of Illinois. (See page 179.) Moreover, his record must be of such a character as to give evidence of a high grade of scholarship.

Irregularities due to differences in the curricula must be satisfactorily adjusted during the first year of the student's attendance.

Registration

Students are required to register in the office of the Secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is limited to one hundred. Students entering the University for the first time will be registered in the order in which their fees are paid.

FEES AND EXPENSES

All fees are payable in advance. The entire matriculation fee and laboratory fee are due and must be paid during the registration days of the first semester, together with half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

Fees charged special students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope of such a quality as to meet the requirements of the work of the curriculum.

Living Expenses

The expense of living in Chicago is less than in most other large cities. From forty to fifty dollars a month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between \$25.00 and \$50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

Rea Scholarships

Through the generosity of the late Professor R. L. Rea a fund has been provided for four scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the season of 1921-22, they were granted to the following students:

JULIUS ADLER
ABRAHAM ETTLESON
ISAAC KARLIN
JACOB KLEIN

AZOR VICTOR NASATIR
JOHANNES NIELSEN
HERMAN PILKA
EVSAY PRILLA

For information concerning other scholarships available to students in the College of Medicine, see page 90.

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.
2. He must have paid all indebtedness to the college.
3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital approved by the University of Illinois. A year of research or graduate work will be accepted in lieu of the hospital year.

In order to be eligible for an internship in an approved hospital in Illinois a candidate must pass the regular examination of the Illinois State Board of Health and receive from the Board a "limited license", authorizing him "to practise medicine or surgery in a hospital approved by the Illinois State Board of Health and in no other place whatsoever in this State, said limited license to remain in force and effect for a period not exceeding eighteen months from date of issue of same." (Schedule of Minimum Requirements for Medical Colleges in good standing with the Illinois State Board of Health as amended January 27, 1917.)

Students admitted to advanced standing from other medical schools will not be given full time credit for any year of less than thirty-two weeks of actual work.

The fourth year of the curriculum must have been taken in the College of Medicine of the University of Illinois.

The diploma for the degree of Doctor of Medicine will be issued upon the presentation of satisfactory evidence that the fifth year has been acceptably completed.

The rules of the Illinois State Board of Health make the following provision for the issuance of the permanent license:

"At the expiration of the limited license and surrender of same, or upon the completion of the twelve-months' hospital course and the surrender of the limited license, and upon presentation of satisfactory evidence that the hospital course has been completed within eighteen months subsequent to the date of completion of the fifth year of the medi-

cal course, and further that the candidate presents a diploma of graduation by the medical college, school, or institution in which he or she completed the fifth year of the medical course, the State Board of Health may then issue to the holder of said temporary or limited license a regular permanent certificate, without further examination or fee, provided that all other requirements prescribed by the Act regulating the practise of Medicine in the State of Illinois and by the rules of the Illinois State Board of Health relating thereto have been satisfactorily complied with."

CURRICULA AND DEGREES

The student is offered his choice of the following combinations:

1. A nine-year curriculum—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended students who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. An eight-year curriculum—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year curriculum—two years in a recognized College of Liberal Arts and Sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in Arts and Sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

GENERAL PLAN OF INSTRUCTION

The course of study extends over five years.

During the first two years the work is, in the main, confined to the sciences fundamental to practise medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued, and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months' interne service in a hospital approved by the faculty of the college, or a year of research or graduate work.

Students are prohibited from doing work that interferes in *any way* with the fulfilment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

Electives

The student is required to select from a number of courses offered for this purpose two hours of work in the third year and six hours of work in the fourth year.

Optional Work

Optional courses supplementary to the required work of the regular curriculum are offered in many departments. Students may be permitted to register for such courses after completing the work of the first year with the consent of the committee. No credit toward the degree in medicine is allowed for this work.

Examinations

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean of the College of Medicine.

Grades

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor (but passing); E, failure. A "failure" can be removed only by repetition of the subject in course in an approved institution. No "conditions" are allowed.

Promotions

Failures to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failures may be carried from the fourth (Senior) year into the fifth (Interne) year.

Failures must be made up in course, and the number of hours of such failures shall be deducted from the total number of hours of the regular work for the period.

Refusal of Further Registration on Account of Poor Scholarship

A student who in any semester receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

Grades for Degree of Bachelor of Science

No student having grades below C in subjects aggregating twenty-five per cent. of the work of the first two years will be recommended for the degree of Bachelor of Science.

Reports

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

CLINICAL FACILITIES

Dispensary

The Dispensary occupies the first floor and part of the second floor of the College Building. It is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. Twenty-nine thousand seven hundred forty-four treatments were given in 1921-1922. Seven thousand four hundred sixty-eight new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wasserman reaction are made by the instructors in the laboratory but the student has an opportunity to follow these and to learn the technic involved.

Clinics

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

The Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year, it has cared for 51,569 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost \$5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

The University Hospital is located at the corner of Congress and Lincoln streets, opposite the College. The Directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, were admitted to clinical instruction in the hospital during the year 1921-22.

There is no charge for admission to these clinics.

The selection of internes for this hospital is limited to graduates of the College.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital	St. Joseph's Hospital
Michael Reese Hospital	West Side Hospital
St. Luke's Hospital	Grant Hospital
Illinois Charitable Eye and Ear	St. Elizabeth's Hospital
Infirmary	Chicago Policlinic Hospital
St. Mary's of Nazareth Hospital	

New Hospital Facilities

The General Assembly of 1919 appropriated \$300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics, and gynecology.

The General Assembly of 1919 also appropriated about \$1,000,000 to the State Department of Public Welfare for the construction of a group of Educational Hospitals in the city of Chicago. This group is to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute, and a Surgical (Orthopedic) Institute for Children.

The last General Assembly supplemented the above appropriation by \$1,000,000 to complete and equip the buildings under construction, and \$500,000 for research laboratories and library.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of cooperation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries, and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for the prevention as well as the cure of disease; to help practising physicians of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The object is to determine the cause of sickness and on the basis of this knowledge institute preventive measures. By this plan of cooperation the College of Medicine will present clinical advantages, the value of which cannot be overestimated.

LIBRARY FACILITIES

The Quine Library is housed on the second floor of the medical building. It contains 26,311 bound volumes and a number of reprints and separates. The collections of the library include the standard text-books, works of reference monographs, and journal files in the fields of medicine, dentistry, and pharmacy.

The John Crerar Library, containing files of journals, monographs, separates, and standard texts, covering practically the entire field of medicine, is easily accessible from the College.

DESCRIPTION OF COURSES¹

ANATOMY, HISTOLOGY, EMBRYOLOGY

Professor EYCLESHYMER; Professor EMMEL; Associate Professor MOODIE; Assistant Professor COOPER; DR. NADEAU, Dr. CRILE, Dr. DUNN, Dr. WHITE, Mr. JONES, Miss MEAKIN, Mr. BEOLIO, Mr. MILLER, Mr. HAMMER.

General Statement

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grüber stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about 2500 special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

Required Courses—First Year

22. Embryology.—Ovogenesis and spermatogenesis, maturation, ovulation, and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 2: laboratory; 2 two-hour periods. I (*first half*). Associate Professor MOODIE and assistants

23. Cytology, Histology and Microscopic Anatomy.—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. I. Associate Professor MOODIE and assistants

26. Neurology.—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 2: laboratory; 2 two-hour periods. I (*second half*). Associate Professor MOODIE and assistants

27-28. Regional and Systematic Anatomy.—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures, recitations, and laboratory; 3 three-hour periods. II.

Professor EMMEL, Assistant Professor COOPER and assistants

Required Courses—Second Year

31. Topographical Anatomy.—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. I. Professor EMMEL and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

¹The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals I and II indicate the number of semesters over which the course extends.

Optional Courses

50. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting. Mr. BOELIO

53. **Medical Illustrating.**—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. JONES

56. **Embryology and Histogenesis.**—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor EYCLESYMER

59. **Neurology.**—The relation of the nervous system to body growth. Assistant Professor MOODIE

Courses Preparatory to Specialization
(Special Fee)

62. a. The Eye.
- b. The Ear.
- c. Mouth, Nose, and Throat.
- d. The Thorax and Abdomen.
- e. The Genito-Urinary System.
- f. Pelvic Anatomy.
- g. The Extremities, especially the joints and their mechanism.
- h. The Brain and Spinal Cord.

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. **Seminar.**—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Courses for Graduates

101. **Histogenesis.**—The structural changes in tissues and their elements which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. One unit. Professors EYCLESYMER, EMMEL; Associate Professor MOODIE

103. **Individual Research in Embryology and Histogenesis.**—One or two units. Professors EYCLESYMER, EMMEL; Associate Professor MOODIE

DERMATOLOGY

Assistant Professor SENEAR; Dr. FINK, Dr. WIEN

Required Courses—Fourth Year

1. **Practise.**—Lectures, 1. I. Assistant Professor SENEAR
5. **Clinic.**—Cook County Hospital, 1. II. Assistant Professor SENEAR
- 9-10. **Clinic.**—College Dispensary. In sections, 3 one-hour periods (*three weeks*). II. Assistant Professor SENEAR, Dr. FINK, Dr. WIEN

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

Professor ADLER; Dr. LEVY, Mr. BROTHERS, Mr. MILLS

Required Course—Second and Fourth Years

4. **Hygiene and Public Health.**—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. I. Professor _____

Required Course—Third Year

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. I. Mr. BROTHERS

LARYNGOLOGY, RHINOLOGY AND OTOTOLOGY

Professor PIERCE; Associate Professor BECK; Dr. EDWARD FRANCIS GARRAGHAN, Dr. WALTER HENRY THEOBALD, Dr. JACQUES HOLINGER, Dr. CHARLES FRANCIS YERGER, Dr. MAURICE H. COTTLE.

General Statement

The fundamentals of diseases of the nose, throat, and ear based on anatomy, physiology, and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies by Bezold's large models of the ear, macerated specimens of the nose, throat and ear; by lantern slides and stereoptic demonstrations, as well as by actual examination of individuals in the out-patient department and in the hospital.

Required Courses—Third Year

3. Practise.—The surgical anatomy, physiology, and pathology of the ear, nose, and throat. 1. I. Professor PIERCE and Associate Professor BECK

7. Clinic.—Illinois Eye and Ear Infirmary. Diseases of the ear, nose, and throat. In sections; 2. I. (*eight weeks*).

11. Practise.—The diseases of the throat and nose. 1. I.

14-15. Clinic.—College Dispensary. In sections; 3 (*three weeks*). II.

Dr. GARRAGHAN, Dr. THEOBALD, Dr. YERGER

MEDICINE

Professor WILLIAMSON

Division of Internal Medicine

Professors WILLIAMSON, TICE, GOODKIND, PATTON, ELLIOTT; Associate Professors SMITHIES, HEINTZ, LEWISON, WEATHERSON, STRAUSS, MOORE, CHAUVET; Assistant Professor QUIGLEY; Dr. KRASA, Dr. METCALF, Dr. WILSON, Dr. JIRKA, Dr. ELY, Dr. JACOBSON, Dr. MOSLEY, Dr. WITELLE, Dr. SAWYER, Dr. SCHICK, Dr. CIPRIANI, Dr. PROPST.

General Statement

The work in internal medicine begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual. Coincident with this work, the student takes up the study of laboratory diagnosis which lays the foundation for the practical clinical work in the dispensary, beginning in the third year and extending through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences, with group quizzes on the topics covered. This is a continuation of the work of the third year. A large part of the work, however, is clinical and is given not only in the College but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work in the various medical specialties is given in the dispensary. Special emphasis is laid upon the clinical work in small groups.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures; 1. I. (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. I.

Associate Professor LEWISON, Associate Professor CHAUVET

Required Courses—Third Year

9. **Practise.**—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. II.
Associate Professor HEINTZ; Dr. KRASA, Dr. CIPRIANI, Dr. SAWYER, Dr. PROPST, Dr. SHICK

13. **Clinic.**—University Hospital Amphitheater. Selected topics. 1 two-hour period.
I. Associate Professor HEINTZ

15. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I. Assistant Professor QUIGLEY

23. **Physical Diagnosis Clinics.**—Cook County Hospital, tuberculosis wards. To small groups. 1. I. Associate Professor LEWISON, Associate Professor CHAUVET

27-28. **Clinic.**—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections, 3 two-hour periods (*three weeks*). II.

Associate Professor MOORE; Dr. METCALF, Dr. WILSON, Dr. MOSLEY, Dr. JIRKA, Dr. WITTELE, Dr. JACOBSON.

Required Courses—Fourth Year

31-32. **Practise.**—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences; 4, I; 2, I.

Lectures, Professors WILLIAMSON, or TICE
Conferences and recitations, Associate Professor WEATHERSON

35. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I. Professor WILLIAMSON

37. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I. Professor TICE

39. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I. Associate Professor STRAUSS

41. **Clinic.**—St. Luke's Hospital. 1 two-hour period. Professor ELLIOTT

47. **Clinic.**—Augustana Hospital. 1 two-hour period. I.

Associate Professor SMITHIES

49-51. **Seminar.**—Work in cooperation with the departments of surgery and obstetrics. The student receives 48 hours of credit, 16 in each department, altho the work is done only in one department. The entire class is divided into three groups and each of these again into five sub-groups. During the first semester the groups meet informally and abstracts are prepared and submitted for criticism. During the second semester each group is assigned one hour in which to present its work before the entire class.

Professors WILLIAMSON, HESS; Associate Professor MOORE

Optional Courses—Third Year

1-X. **Tuberculosis.** Associate Professor CHAUVET

2-X. **Tuberculosis of the Lymphatic System.** Dr. METCALF

Optional Courses—Fourth Year

3-X. **Diseases of the Blood.** (*Eight Weeks*). Associate Professor MOORE

4-X. **Tuberculosis.** (*Eight Weeks*). Associate Professor MOORE

5-X. **Diseases of the Heart.** Associate Professor STRAUSS

6-X. **Diseases of Pancreas and Intestines** Associate Professor SMITHIES

7-X. **Principles of Medicine, Review Course.**

Division of Pediatrics

Professor HESS; Associate Professors IRISH, BLATT; Assistant Professor BOWER; Dr. GOLDBERGER, Dr. LEVIN, Dr. CALVIN, Dr. ROSENBLUM, Dr. BOROVSKY, Dr. FURBY, Dr. STRAUSS, Dr. GERTY, Dr. SHERRY, Dr. SCHLUETER.

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. **Practise and Clinic.**—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences; 1. I. Professor HESS
4. **Practise.**—Recitations, 1. I. Associate Professor IRISH and assistants
7. **Clinic.**—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups; 2 (*four weeks*). I. Associate Professor IRISH
9. **Clinic.**—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). I. Assistant Professor BOWER

Required Courses—Fourth Year

11. **Clinic.**—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). I. Assistant Professor BOWER
- 15-16. **Clinic.**—Dispensary. In sections; 3 two-hour periods (*three weeks*). II. Dispensary Staff
19. **Clinic.**—Cook County Hospital. In groups; one two-hour period. I. Professor HESS
21. **Clinic.**—Cook County Hospital. In groups; two-hour periods (*four weeks*). I. Associate Professor BLATT
23. **Clinic.**—Michael Reese Hospital. In groups; one-hour periods (*eight weeks*). I. Professor HESS

Divisions of Neurology and Psychiatry

Professor SINGER; Associate Professors HASSIN, DAVIS; Assistant Professors READ, TRUITT; Dr. HULBERT, Dr. DIAMOND.

3-4. **Practise and Clinic.**—Dispensary and Cook County Hospital. Lectures, demonstrations, examination and diagnosis; in sections; 6 two-hour periods (*seven and one-half weeks*) I, and 1 two-hour period, I.

Professor SINGER; Associate Professor HASSIN; Assistant Professors READ, TRUITT; Dr. HULBERT.

Division of Roentgenology

Assistant Professor HARTUNG; Dr. LITSCHGI.

Required Course—Fourth Year

4. **Practise and Demonstration.**—College. The use of the X-Ray in medicine and surgery. 4 one hour periods. I. Assistant Professor HARTUNG

Division of History of Medicine

Dr. CIGRAND

Optional Course—Fourth Year

51. Lectures; 1. I.

OBSTETRICS AND GYNECOLOGY

Professors BACON, LEWIS; Associate Professors YARROS, ROHRACK; Dr. HAMMOND, Dr. BARRON-HARRISON, Dr. NACHTIGALL, Dr. CARY, Dr. STETLER, Dr. CRAWFORD, Dr. BLAIR, Dr. HAYES, Dr. FITZGERALD, Dr. PLICE.

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the University Hospital and the Chicago Lying-In Hospital and Dispensary. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups in the University Hospital. Students are required also to assist in the delivery of twelve parturients. Reports of these cases are kept by students and form the basis of conference discussions. An amphitheater clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-In Hospital and Dispensary. The Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. A physician, a student, and a nurse are sent to care for the patient during her labor. A student and nurse visit her daily for ten days afterward. The fee for the course is \$15.00 payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures and recitations; 3. I.

Associate Professor YARROS; Dr. HAMMOND, Dr. CARY, Dr. STETLER

9. Clinic.—University Hospital. Instruction at bedside and in the dispensary. To small groups, 6 one-hour periods (*two weeks*).

Professor BACON; Associate Professor ROHRLACK; Dr. BARRON-HARRISON, Dr. BLAIR

12. Clinic.—University Hospital. The class is divided into groups. The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16. Pathology of Pregnancy, Labor, and the Puerperium.—Lectures and recitations; 3. I.

Professor BACON; Associate Professor ROHRLACK; Dr. NACHTIGALL

(a) Laboratory work in pathological anatomy and histology. To small groups, 1 two-hour period (*eight weeks*).

Dr. NACHTIGALL

(b) Manikin work. To small groups; 1 two-hour period (*eight weeks*).

Professor LEWIS, Dr. HAYES

19. Clinic.—Cook County Hospital. To small groups (*four weeks*).

Professor LEWIS

22. Clinic.—University Hospital. Demonstrations and operations, 1. I.

Professor BACON

25. Clinic.—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. Clinic.—Chicago Lying-In Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. Seminar.—This work is done in cooperation with the Departments of Medicine and Surgery. For this work the student receives 48 hours of credit, 16 in each department altho the work is done only in one department. The class is divided into three groups, and each of these again into five sub-groups. The purpose of this seminar is to give the student a working knowledge of medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally; but abstracts will be prepared and submitted for criticism, and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor LEWIS; Associate Professor ROHRLACK; Dr. NACHTIGALL, Dr. CARY

Optional Courses—Third Year

1-X. Review Course in Obstetrics. 1. I.

Dr. FITZGERALD, Dr. PLICE

2-X. The Relation of the Endocrine Glands to Obstetrical Affections. 1. I.

Associate Professor ROHRLACK

Optional Courses—Fourth Year

1-X. Oxytocics. 1. II.

Professor BACON

2-X. Review Course in Obstetrics. 1. I.

Dr. FITZGERALD, Dr. PLICE

3-X. Puerperal Infections. 1. I.

Associate Professor ROHRLACK

Division of Gynecology

Professor BARRETT; Assistant Professors LANG, FISCHMANN; Dr. SCHOENBERG, Dr. STONE, Dr. JUHNKE, Dr. HOFFMAN.

* General Statement

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences and laboratory and class room study of pathology of the pelvic organs.

Required Courses—Fourth Year

3. Practise.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue and illustrations by means of charts and models. 1. II.

Professor BARRETT; Assistant Professor FISCHMANN; Dr. STONE

7. Clinic.—Cook County Hospital. One two-hour period. I. Professor BARRETT

15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases and write reports. As far as the students' time permits, the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). II.

Assistant Professor LANG; Assistant Professor FISCHMANN; Dr. SCHOENBERG, Dr. STONE, Dr. JUHNKE, Dr. HOFFMAN.

Optional Courses—Fourth Year

1-X. Course on Pelvic Histology and Microscopic Pathology. Dr. STONE

OPHTHALMOLOGY

Professors BROWN, LANE, WOODRUFF; Assistant Professor GRADLE; Dr. BEARD, Dr. MONCRIEFF, Miss HEATH, Dr. BOTHMAN.

Required Courses—Fourth Year

3-4. Clinic and Practise.—Dispensary, clinic and laboratory course. This includes 16 to 20 hours on the normal and pathological anatomy of the eye, 8 to 12 hours of practise in the use of ophthalmoscope, perimeter, focal light and test charts. Of the 48 required hours those remaining are spent in the study of eye diseases which the general practitioner most frequently encounters.

Professor BROWN; Dr. BEARD, Dr. MONCRIEFF, Miss HEATH

5. Didactic Ophthalmology.—Diseases of the eye. 1 two-hour period (*four weeks*).
Assistant Professor GRADLE

Optional Courses—Fourth Year

1-X. Surgery of the Eye. The more important eye operations. 4 two-hour periods.
Illinois Charitable Eye and Ear Infirmary. Professor WOODRUFF

Optional Courses—Fifth Year

1-X. Ophthalmology.

1. Methods of Clinical Examination (9-12 a.m. daily), 12 months.
2. Methods of Laboratory Examination (2-5 p.m. daily), 8 months.
3. Surgical work in the University Hospital (12-1 p.m. daily), 12 months.
4. Study of classical monographs and preparation of 25 case-histories for "The Board of Ophthalmic Examinations" (2-5 p.m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

1. Clinical Course.—Designed to train graduates for staff positions. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time; cases as a whole are not assigned until all processes are completed. Processes taught are: Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction with Cycloplegia and without, Tonometry, Perimetry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification), Measurement of Disc Levels, Objective Findings in External and Fundus Disease, and Case-History Writing; cases as a whole, and diagnosis, prognosis, and treatment of particular cases. The course extends over one year. The first four months cover work in the first four processes, the second four months cover the next five, and the third four months complete the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a.m., 6 days per week.

The fee for each period of four months is \$50.00

The Staff

2. Pathology of the Eye.—Four months. Hours to be arranged. I.

Professor BROWN, Professor LANE

PATHOLOGY AND BACTERIOLOGY

Professor DAVIS; Associate Professor PETERSEN; Dr. NUZUM, Dr. PILOT, Dr. H'DOUBLER, Dr. LEVINSON, Dr. HALL, Dr. PICKOFF, Dr. RUDOLPH, Mr. LEPAK, Mr. MOORE.

Required Courses—Second Year

11. **General Bacteriology and Protozoology.**—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 2 three-hour periods. I.
Professor DAVIS, Dr. PILOT, and assistants

Required Courses—Second Year

18. **General Pathology and Pathological Histology.**—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 4: laboratory, 4 two-hour periods. I.

Associate Professor PETERSEN; Dr. LEVINSON, Dr. PICKOFF, Dr. H'DOUBLER

22. **Clinical Pathology.**—Microscopic, bacteriologic and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 2 two-hour periods. I.
Dr. PILOT, Dr. HALL, and assistants

Required Courses—Third Year

26. **Special Pathology and Autopsies.**—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology, and experimental pathology. Three two-hour periods. I.
Professor DAVIS, Dr. PILOT, Dr. HALL

Optional Courses

50. **Advanced Work and Research in Bacteriology.**—Limited to properly qualified students.
Professor DAVIS, Associate Professor PETERSEN

51. **Advanced Work in Special Diagnostic Laboratory Methods.**—Limited to a few qualified students.
Dr. PILOT

55. **Diagnosis of Tumors.**—Open to students who have had courses in general and special pathology. I.
Associate Professor PETERSEN

Courses for Graduates

101. **Advanced Pathogenesis.**—Etiology and pathogenesis of certain diseases; lower animals in the transmission of human diseases. (*One unit*).
Professor DAVIS

105. **Individual Research.**—*One or two units.*
Professor DAVIS

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professor McGUIGAN; Dr. ATKINSON, Mr. SNOW, Dr. COHEN, Mr. HEINEKAMP, Mr. ETS, Mr. NILSON, Mr. SCHLECK.

Required Courses—Second Year

8. **Pharmacology.**—Lectures and recitations; 3: laboratory; one three-hour period. I.
Professor McGUIGAN, Dr. ATKINSON and assistants

10. **Pharmacy and Materia Medica.**—Lectures and recitations; 1: demonstrations and laboratory; 3. I.
Professor McGUIGAN, Mr. SNOW, and assistant.

12. **Pharmacology and Toxicology.**—Lectures and recitations; 2: laboratory; 2. I.
Professor McGUIGAN, Dr. ATKINSON, and assistants

Required Course—Third Year

20. **General Therapeutics.**—2. I.
Professor McGUIGAN, Mr. NILSON

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research work.
Professor McGUIGAN

Courses for Graduates

101. **Advanced Pharmacodynamics.**—Laboratory work.—*One unit.*
 Professor McGUIGAN
103. **Research Work in Pharmacodynamics.**—*One or two units.* Professor McGUIGAN

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professors DREYER, WELKER; Mr. TRACY, Dr. ALBRECHT, Dr. CUTTING, Mr. GROOT, Mr. BORSAK, Mr. BOLLMAN, Dr. STEPHAN, Mr. MARSH, Mr. SAELOHOF, Dr. KELLY, Dr. REICHERT, Mr. HANSEN, Mr. LONG, Mr. SMITH.

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation, and duly emphasizes the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course but also to supply useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or to engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

Required Course—First Year

20. **Physiology.**—Blood and lymph, muscle and nerve, circulation, and respiration. Lectures and recitations, 3; demonstration and laboratory, 2 two-and-one-half-hour periods.
 I. Professor DREYER, Dr. CUTTING, and assistants

27. **Physiological Chemistry and Toxicology.**—Lectures, demonstrations, conferences 3; laboratory, 8 hours. I. Professor WELKER, Mr. MARSH, Mr. SAELOHOF, and assistants

Required Course—Second Year

29. **Physiology.**—Digestion; secretion; metabolism; the special senses; the central nervous system. Lectures, recitations, demonstrations, 5; Laboratory, 1 four-hour period.
 I. Professor DREYER, Dr. CUTTING, and assistants

Optional Courses

51. **Advanced Laboratory Work.**—Physiological demonstration and research; graphic methods.
 Professor DREYER

53. **Quantitative Urinary Analysis.**—Lecture; 1: laboratory; 6. I.
 Professor WELKER, Mr. TRACY

54. **Sanitary Chemistry.**—Water and sewage analysis; purification. Lecture; 1: laboratory; 6. I.
 Professor WELKER

59. **Food Analysis.**—Composition, adulteration, preservation. Lecture; 1: laboratory; 6. I.
 Mr. TRACY

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. **Seminar.**—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisite for optional courses: In physiology, courses 20 and 29, and in chemistry, course 27.

Courses for Graduates

103. **Advanced Biological Chemistry.**—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*
 Professor WELKER

107. **Biochemical Research.**—*One or two units.* Professor WELKER

SURGERY

Professor DAVISON

Division of General Surgery

Professors DAVISON, OCHSNER, HALSTEAD, HARSHA, HUMISTON, PERCY; Associate Professors THOMPSON, MEYER, DYAS, THOMAS, ROGERS; Assistant Professors HARGER, PHIFER, LOUNSBURY, CULVER, MCNEALY, DAVENPORT; Dr. BAMBERGER, Dr. NADEAU, Dr. BAKER, Dr. POST, Dr. FORD, Dr. SULLIVAN, Dr. MEYEROVITZ, Dr. HARRIS, Dr. GOTTSCHALK, Dr. CHRISTOPHER, Dr. FORD, Dr. CARLEY, Dr. COUNSELLOR, Dr. POND, Dr. GAINER, Dr. H'DOUBLER.

Required Courses—Third Year

3-4. Practise.—Surgery and surgical pathology. Conferences, recitations. In sections; 2. II. Assistant Professor PHIFER, Dr. POST, Dr. BAMBERGER, Dr. SULLIVAN

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings and appliances. Three two-hour periods (*three weeks*). II.

Assistant Professor HARGER, Dr. BAMBERGER, Dr. POST, Dr. HARRIS

9. Clinic.—Cook County Hospital. 1 two-hour period. I.

Assistant Professor MCNEALY

10. Clinic.—Cook County Hospital. 1 two-hour period. I.

Associate Professor THOMPSON

11. Clinic.—Cook County Hospital. 1 two-hour period. I.

Associate Professor DYAS

12. Clinic.—Cook County Hospital. 1 two-hour period. I.

Assistant Professor DAVENPORT

19. Anesthetics.—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital. Associate Professor MEYER

Optional Courses—Third Year

1-X. Anesthetics, Surgical Dressings, and Bandaging.—Individual instruction and demonstration of the application of surgical dressings. 1. I. Dr. BAKER

2-X. Surgical Diagnosis.—1. I.

Assistant Professor MCNEALY

3-X. Principles of Surgery.—A review course. 1. I.

Associate Professor MEYER, Dr. FORD, Dr. CARLEY, Dr. GAINER

4-X. Special Fractures.—Lectures, recitations, conferences. 1. I.

Assistant Professor DAVENPORT

5-X. Operative Surgery of the Abdomen on Animals.—1. I.

Dr. GRAHAM, Dr. BRAUDE

6-X. Preoperative and Postoperative treatment.—1. I.

Dr. NADEAU

Required Courses—Fourth Year

23-24. Practise.—Regional surgery. Conferences, recitations. In sections. 1. I. Professor HUMISTON; Associate Professors MOORE, ROGERS; Assistant Professor LOUNSBURY.

29. Clinic.—University Hospital. 1 two-hour period. I.

Professor DAVISON, Dr. MEYEROVITZ

31. Clinic.—St. Mary's Hospital. 1 two-hour period. I.

Professor PERCY

32. Clinic.—Augustana Hospital. 1 two-hour period. I.

Professor OCHSNER

33. Clinic.—St. Luke's Hospital. 1 two-hour period. I.

Professor HALSTEAD, Professor HARSHA

34. Clinic.—Cook County Hospital. 1 two-hour period. I.

Associate Professor THOMPSON

35. Clinic.—Cook County Hospital. 1 two hour period. I.

Assistant Professor MCNEALY

36. Clinic.—Cook County Hospital. 1 two-hour period. I.

Assistant Professor DAVENPORT

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. I. Associate Professor MEYER

37b. Clinic.—Cook County Hospital. Individual Bedside Instruction in Surgical Diagnosis. Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. I. Professor DAVISON, Dr. GOTTSCHALK

41. Surgical Pathology.—Laboratory. In sections. One two-hour period (*eight weeks*). Dr. NADEAU

43-44. Surgical Seminar.—Work done in cooperation with the departments of medicine and obstetrics. For this work the student receives 48 hours of credit, 16 in each department, altho the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester, the groups will meet only informally, and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.

Assistant Professor HARGER, Dr. COUNSELLOR

Optional Courses—Fourth Year

- 6-X. Surgery of the Abdomen.**—Lectures, conferences, recitations. 1. I. Associate Professor THOMPSON
7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. 1. I. Associate Professor THOMAS
8-X. Regional Surgery.—A review course. 1. I. *Prerequisite:* 3-X. Associate Professor MEYER, Dr. FORD, Dr. CARLEY, Dr. GAINER
9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations. 1. I. Associate Professor ROGERS
10-X. Surgery of the Thorax.—Lectures, conferences, recitations. 1. I. Dr. FORD
11-X. Surgical Diseases of the Kidneys.—1. I. Assistant Professor CULVER

Division of Orthopedic Surgery

Associate Professor THOMAS; Dr. SPRAGUE, Dr. HOBART, Dr. SULLIVAN, JR., Dr. CRILE, Dr. MURPHY.

Required Courses—Third Year

- 3. Practise.**—Conferences, recitations. In sections. 1. I. Associate Professor THOMAS, Dr. SPRAGUE, Dr. HOBART, Dr. SULLIVAN, Dr. CRILE
7. Clinic.—St. Luke's Hospital. 1. I. Associate Professor THOMAS
8. Clinic.—St. Mary's Hospital. 1. I. Dr. CRILE
9. Clinic.—University Hospital. 1. I. Dr. SPRAGUE
15-16. Clinic.—Dispensary. In sections; three two-hour periods (*three weeks*). II. Associate Professor THOMAS, Dr. HOBART, Dr. SULLIVAN, Dr. SPRAGUE

Division of Genito-Urinary Surgery

Associate Professor McKENNA; Assistant Professor CULVER; Dr. SMEJKAL, Dr. HERROLD, Dr. O'CONOR, Dr. GERON.

Required Courses—Third Year

- 3. Practise.**—Conferences, recitations. In sections. 1. I. Associate Professor McKENNA, Assistant Professor CULVER, Dr. HERROLD, Dr. O'CONOR
7-8. Clinic.—Dispensary. In sections. Three two-hour periods (*three weeks*). II. Associate Professor McKENNA, Dr. SMEJKAL

Required Courses—Fourth Year

- 11. Clinic.**—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections; 2 two-hour periods (*three weeks*). Assistant Professor CULVER
14. Clinic.—St. Joseph's Hospital. In sections; 1 two-hour period. I. (*eight weeks*). Associate Professor McKENNA

Division of Operative Surgery

Assistant Professor LOUNSBURY; Dr. GRAHAM, Dr. METZ, Dr. BROWNING, Dr. BRAUDE.

Required Course—Second Year

3. **Operative Surgery.**—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections; one two-hour period. I.

Assistant Professor LOUNSBURY, Dr. METZ, Dr. BROWNING

SUMMARY OF HOURS**First Year**

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	228
Microscopic	32	160	32	64	288
CHEMISTRY:					
Physiological	48	128	..	..	176
PHYSIOLOGY .....	..	..	48	80	128
	112	400	112	256	880

Second Year

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	96	..	..	128
Bacteriology	48	96	..	..	144
Hygiene .....	..	..	32	..	32
Pharmacology and Pharmacy	48	48	48	80	224
Pathology .....	..	..	64	128	192
Clinical Pathology .....	..	..	..	64	64
Physical Diagnosis .....	..	..	16	32	48
Physiology	80	64	..	..	144
Surgery (Operative) .....	..	..	..	32	32
	208	304	160	400	1072

Third Year

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Autopsies .....	..	..	..	..	32	..	32
Oto-Laryngology	16	16	9	10	..	9	60
Internal Medicine	64	48	18	64	32	18	244
Medical Jurisprudence .....	..	..	..	16	..	..	16
Pathology .....	..	..	..	16	48	..	64
Pediatrics	16	8	..	16	8	..	48
Pharmacology and Therapeutics	32	..	..	..	..	..	32
Obstetrics	48	..	..	..	12	..	60
General Surgery	32	32	18	32	36	18	168
Orthopedic Surgery .....	..	32	18	16	..	18	84
Genito-Urinary Surgery	16	..	18	..	..	18	52
Electives	16	..	..	16	..	..	32
	240	136	81	186	168	81	892

Fourth Year

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Dermatology	16	16	9	16	..	9	66
Genito-Urinary Surgery .....	..	20	..	..	..	..	20
Gynecology	16	32	18	16	..	18	100
Hygiene .....	..	..	..	..	24	..	24
Medicine	64	42	..	48	42	..	196
Neurology .....	..	48	..	..	48	..	96
Obstetrics	48	32	..	..	24	..	104
Ophthalmology .....	..	32	..	..	32	..	64
Pediatrics .....	..	40	..	..	40	..	80
Psychiatry .....	..	..	..	..	16	..	16
Roentgenology .....	..	..	..	..	4	..	4
General Surgery	16	86	..	32	86	..	220
Surgical Pathology .....	..	..	..	..	16	..	16
Electives	48	..	..	48	..	..	96
	208	348	27	160	332	27	1102

First year	880
Second year	1072
Third year	892
Fourth year	1102
Total	3946

THE COLLEGE OF DENTISTRY

(For the *faculty* of the College of Dentistry, see page 35; for a description of the *building*, see page 54; for *fees*, see page 92; for *scholarships*, see page 90).

GENERAL STATEMENT

The College of Dentistry of the University of Illinois is located in what is known as "the clinical center of Chicago." It is at Harrison and Honore streets, directly opposite the Cook County Hospital. Adjoining it on the north is the University of Illinois College of Medicine, and on the west the West Side Hospital. Within a radius of a few blocks are a majority of the great metropolitan hospitals and professional colleges and schools. It is about a fifteen minutes' ride from the Union Loop, or down-town district, by either the Garfield Park branch of the Metropolitan elevated line, or the Harrison Street surface cars.

ADMISSION

For the requirements for admission, see page 69.

Advanced Standing

Students who can comply with the requirements for admission to the University of Illinois, and who have studied dentistry in any college accredited to the University of Illinois for not less than one year, may be admitted to advanced standing. Such students, however, will be required to comply with all the conditions of the curriculum of the College of Dentistry.

Graduates of colleges of medicine accredited to the University of Illinois may be admitted to the College of Dentistry and given credit for one year in time and for all satisfactorily completed courses which are required by the College of Dentistry.

Students holding credits other than those listed above should communicate with the Dean for further information.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Dental Surgery are as follows:

1. Completion of the work of the curriculum with a grade of 75 per cent. or more in at least 75 per cent. of the subjects of the entire course. (The curriculum covers four years of college work.)
2. Attainment of the age of twenty-one years.
3. Settlement of all obligations to the University.

Graduation with Thesis

Students may become candidates for thesis honors through meritorious work. "Graduation with Thesis" is awarded on the presentation of a satisfactory scientific essay.

CURRICULA AND DEGREES

1. **A Five-Year Curriculum.**—One year in a recognized college of Liberal Arts and Sciences followed by four years in the College of Dentistry. The work of the first year must include certain prescribed subjects. On the completion of the fourth year in the College of Dentistry the Degree of Doctor of Dental Surgery is conferred.

2. **A Six-Year Curriculum.**—Two years in a recognized college of Liberal Arts and Sciences followed by four years in the College of Dentistry. The work of the two years in the College of Arts and Sciences must include certain prescribed subjects and must have been preceded by 15 units acquired in an accredited high school. Upon the comple-

tion of the two years in the College of Dentistry students will receive the degree of Bachelor of Science; and on the completion of the fourth year in the College of Dentistry they will receive the degree of Doctor of Dental Surgery.

Requirements for Six-Year Course

1. High School Requirements.—

English	3 units ¹
Algebra	1 unit
Plane geometry	1 unit
Physics with laboratory work	1 unit
Electives	9 units

2. College Requirement.—Two years in a recognized college or university with a minimum of sixty semester hours, distributed as follows:

Chemistry	12 semester hours ²
Physics	6 semester hours
Biology	8 semester hours
English	6 semester hours
German, French, Spanish or Italian	6 semester hours
Electives (not including chemistry, physics or biology)	6 semester hours
Free electives	16 semester hours

LICENSE TO PRACTISE IN ENGLAND

On the recommendation of the Board of Examiners in Dental Surgery, the Council of the Royal College of Surgeons, in London, has added the College of Dentistry of the University of Illinois to the list of dental schools recognized by the college. This recognition implies that the Royal College of Surgeons will exempt graduates in dental surgery of the University of Illinois from the Preliminary Science Examination for the License in Dental Surgery, and will accept such parts of the curriculum for the License as are completed in the College of Dentistry of the University of Illinois toward the curriculum of studies required for a license.

HONORARY RESEARCH ASSISTANTS

Students may, during the last year of their course, be permitted to pursue advanced work in a department, provided, first, that they have shown special aptitude along this line; and, second, that their previous work has been of a sufficiently high grade. If at the end of the last year's work the student's application and attainment are regarded as of a sufficiently high character, he may be awarded an honorary research assistantship.

INFIRMARY

A large part of the senior course is devoted to practical dentistry, and for this purpose an infirmary is provided, which occupies the entire top floor of the main building. There are always more applicants for dental service than can be accommodated. The Infirmary is supplied with modern accessories, and there are windows on three sides, as well as sky-lights overhead, so that all work may be done by daylight. Adjoining the Infirmary are the superintendent's office, and the therapeutic laboratory. All sterilization and preparation for therapeutic and root canal work is supervised by a registered nurse.

LIBRARY

The general library of the University of Illinois in Chicago is in the Medical building, which adjoins the College of Dentistry. In this library there are over 24,450 volumes, including a comprehensive collection of works on dental and allied subjects. All of the standard dental journals are kept on file, and there is a representative collection of works in literature, standard and modern, for the exclusive use of English classes in the College of Dentistry. The library, in charge of a librarian and assistant, is open from 9 a. m. to 5 p. m., and room is provided for students desirous of employing their study periods in the library.

¹See page 62.

²By a semester hour of college credit is meant the work of a class meeting once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

DESCRIPTION OF COURSES¹

ENGLISH

Assistant Professor O'HARA

Required Courses—First Year

3-4. English Composition.—Library methods, preparation of papers on scientific subjects; Ethics. 2. I, and 1, II.

Second Year

[5. Contemporary Literature².—A Survey. 1. I.]

Third Year

6. Public Speaking.—1. I.

Fourth Year

7. Correspondence.—1. I.

Correlative Courses.—Individual consultations and occasional class meetings, papers prepared, under supervision of the English department for other courses forming the chief basis of discussion.

Assistant Professor O'HARA

TECHNICAL DRAWING

Mr. KERRICK

Required Course—First Year

1. Technical Drawing.—Theoretical and practical graphics, the reading and making of working plans. Projections, sketching, lettering, conventions, renderings, and translations. 2 two-and-a-half-hour periods. I.

ANATOMY, HISTOLOGY, EMBRYOLOGY, ZOOLOGY

Professors EYLESHYMER, THOMAS, EMMEL; Assistant Professor COOPER; Dr. NADEAU, Miss SCHWAB.

Required Courses—First Year

3. General Zoology.³—Animal biology, principles of structure, function, interrelations; origin and development of animal life; generalization in zoological theory. Lectures and quizzes. 2. I.

Dr. COOPER

4. Vertebrate Zoology and Comparative Anatomy.—Classification of the chordata; anatomy of systems of organs considered in respect to their function, ontogeny, and evolution in the vertebrate series; anatomical studies (dissection) of types of the chordata, with special emphasis on mammalian splanchnology. Lectures, 2, II; laboratory, 2 two-hour periods, I, II. *Prerequisite:* Course 3 or its equivalent. Dr. COOPER and assistants

Second Year

7-8. Histology.—Cell structure, the elementary tissues; histology of organs of circulatory, respiratory, genito-urinary and nervous systems; skin and appendages. The embryology of the teeth, mouth and jaws. The tissues of the teeth and the supporting tissues. Histology, lecture or quiz 1; 2 three-hour laboratory periods. I. Lecture; laboratory, 2 two-hour periods. II.

Professor THOMAS and assistants

¹The course numbers are indicated by Arabic numerals preceding the captions. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods a week in each subject. The first and second semesters are indicated by the Roman numerals I and II, respectively.

²Not given, 1922-23.

³Zoology 3 not required of students admitted with Biology.

Required Courses—Second Year

10-11. Systematic Anatomy.—Complete dissection of the body. Lectures, demonstrations, recitations, and seminar, 2; laboratory, 2 three-hour periods. I, II.
Dr. NADEAU and assistants

Required Course—Third Year

17. Topographical Anatomy and Neurology of the Head and Neck.—Review of anatomical structures, functional significance, regional relationships of surgical and clinical importance and structural variations. Lectures and recitations, 1 two-hour period. II.
Prerequisite: 3, 4, 10-11. Dr. NADEAU and assistants

CHEMISTRY AND METALLURGY

Professor WELKER; Dr. ALBRECHT, Mr. TRACY, Mr. BOLLMAN, Mr. MARSH, Mr. SAELHOF, Mr. LONG, Mr. SMITH.

Required Courses—First Year

6. Qualitative Analysis.—The important metals and acids. Lecture or recitation, 1; laboratory, 2 two-and-a-half-hour periods. I. Mr. BOLLMAN and assistants

9. Organic Chemistry.—The fundamentals, from a biological standpoint; fats, proteins, and carbohydrates. Lectures, demonstrations, and conferences, 2; laboratory, 2 three-hour periods. II. Mr. TRACY and assistants

Second Year

12. Physiological Chemistry.—Lectures, demonstrations, and conferences, 2; laboratory, 2 two-and-a-half-hour periods. I. *Prerequisites:* Courses 6 and 9 or their equivalents. Mr. TRACY and assistants

15. Metallurgy.—The general principles of metallurgy. Extraction and refining of metals used in dentistry. Physical properties. Analysis of ores, alloys, solders, and cements, refining of gold, silver, and tin. Preparation of alloys and solders. Lecture or recitation, 2; laboratory, 1 four-hour period. I. *Prerequisites:* Course 6 or its equivalent. Professor WELKER and assistants

Optional Course

51. Metallurgy.—An advanced course open to graduates or students who have satisfactorily completed Course 15. Hours to be arranged. Professor WELKER

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigation under the direction of a member of the staff.

PATHOLOGY AND BACTERIOLOGY

Professor DAVIS; Assistant Professor PETERSEN; Dr. NUZUM, Dr. LEVINSON, Dr. PILOT, Dr. H'DOUBLER, Dr. PICKOFF.

Opportunity is offered to those desiring more advanced work in pathology and bacteriology and to those interested in research.

Required Course—Second Year

4. General Bacteriology.—Sterilization; disinfection; preparation of culture media; general morphologic and cultural characteristics of bacteria; isolation, cultivation and identification of pathogens; relation of bacteria to disease; immunity; vaccines; application of principles of bacteriology to problems of hygiene. Animal experiments are used where appropriate. Lectures, recitations and demonstrations, 3; laboratory work, 2 two-and-a-half-hour periods. II. Dr. NUZUM and assistants

Required Course—Third Year

7. General Pathology.—Principles of general pathology, circulatory disturbances, retrogressive and progressive changes, inflammation, tumors, and the special pathology of the important organs of the body. Studied gross specimens, both fresh and preserved. Attendance upon autopsies is required in the second half of the semester. Lectures, recitations, and demonstrations, 4; laboratory, 2 two-and-a-half-hour periods. I. *Prerequisite:* Bacteriology 4. Dr. PETERSEN and assistants

Optional Course

55. Advanced Laboratory and Research Work.—Open to a limited number of qualified students. Hours to be arranged.
Dr. PETERSEN

PHYSIOLOGY

Professor DREYER; Dr. CUTTING, Mr. GROOT, Miss TOWER.

Required Course—Third Year

3-4. Human Physiology.—Lectures, recitations, and demonstrations, 4. I, II. Laboratory work and demonstrations. 1 three-hour period. I, II.

Professor DREYER and assistants

OPERATIVE DENTISTRY

Professor GALLIE; Associate Professor NYLANDER; Assistant Professor WILLIAMS; Dr. KREJCI, Dr. CONDIT, Dr. MUNRO, Dr. BRINKMAN, Dr. RYAN.

Required Courses—First Year

3-4. Dental Anatomy.—Nomenclature, tooth forms, occlusion, articulation, carving of teeth in plaster and bone, dissection of teeth, drawings. Lecture or quiz 2; laboratory, 2 three-hour periods. I, II.

Associate Professor NYLANDER, Assistant Professor WILLIAMS and assistants

Second Year

11-12. Operative Technics.—Cavity nomenclature and preparation; instruments and instrumentation, filling materials and their manipulation, root canal technic. Lecture 1; Laboratory 1 three-hour period. I, II. *Prerequisites:* Dental Anatomy 3 and 4.

Associate Professor NYLANDER and assistants

Third Year

16. Review of technical procedures, management of patients, principles of practise; diagnosis. Lecture 1, I and II. Laboratory 1 three-hour period. I. *Prerequisite:* 12.

Professor GALLIE, Associate Professor NYLANDER and assistants

Fourth Year

21. Erosion, hypoplasia, abrasion, children's teeth, special cases, office equipment and management. Lecture 1, I.

Professor GALLIE

Management of patients, special cases, children's teeth. Erosion, hypoplasia, and abrasion. Office equipment and management. Lecture or recitation, 1, I.

Professor GALLIE

PROSTHETIC DENTISTRY

Professor DITTMAR; Assistant Professors UPP, KUBACKI, KELLOGG, SHOLES; Dr. TYLMAN, Dr. LA DUE, Dr. BLAINE.

Required Courses—First Year

2. Prosthetic Technics.—Terminology; impression materials and impressions; vulcanite and vulcanization; partial vulcanite dentures, vulcanite repair, full upper and lower vulcanite dentures; soldering technic, swaged metal base plates; elements of crown and bridge construction. Lecture or quiz, 1; laboratory, 3 three-hour periods. I, II.

Assistant Professor KELLOGG and assistants

Second Year

5-6. Prosthetic Technics.—Swaged and cast dentures; tenso-friction appliances; crown and bridge construction. Lecture and quiz, 1; laboratory 3 three-hour periods. I, II. *Prerequisites:* Dental Anatomy, 3-4; Prosthetic Technics, 2.

Assistant Professor KELLOGG and assistants

Third Year

9-10. **Prosthetic Technics.**—The human dental mechanism; philosophy of mastication; advanced theories of occlusion and articulation; crown and bridge construction; porcelain technic; splints and obturators. Lecture and quiz, 1; laboratory, 3 three-hour periods. I, II. *Prerequisites:* 5 and 6.

Professor DITTMAR; Assistant Professors KUBACKI, SHOLES; Dr. TYLMAN

Fourth Year

17-18. **Prosthetic Technics.**—Advanced work on full and partial denture construction, removable bridge work, casting, and porcelain restorations. Lectures, 1, I; laboratory, 1 two-hour period, I, II. *Prerequisites:* 9-10.

Professor DITTMAR; Assistant Professors KUBACKI, SHOLES; Dr. TYLMAN

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors COOLIDGE, McGUIGAN, DAVIS; Associate Professor BLAYNEY; Dr. COE, Miss GELBER, Miss LAWSON.

Required Courses—Third Year

3-4. **Materia Medica and Therapeutics.**—Nomenclature, classification, and action of drugs. Lectures, 1, I, II. Professor COOLIDGE, Dr. BLAYNEY

5. **Pharmaco-Dynamics.**—Demonstrations and laboratory exercises. Laboratory course. 1 two-hour period, II. Professor McGUIGAN and assistants

6. **Hygiene.**—Hygiene of ventilation, communicable diseases, waste disposal and sanitation. Hygiene of the nervous system, diet and nutrition, rest and recreation. Mouth hygiene and oral prophylaxis. Lectures, 1, I. Professors DAVIS and COOLIDGE

Required Courses—Fourth Year

11-12. **Therapeutics.**—Treatment of lesions of the pericemental membrane and dental pulp. Prophylaxis. A thesis on oral hygiene required. Lectures and recitations, 2, I, II. Professor COOLIDGE, Dr. BLAYNEY

ORAL SURGERY AND ORAL PATHOLOGY

Professors MOOREHEAD, SCHULTZ; Assistant Professors BERNARD, DEWEY; Dr. FONDA, Dr. STUART, Dr. HEIN, Dr. LERCHE, Mrs. FRAIN, Miss LAWSON, Miss JUNGJOHANN.

Required Courses—Third Year

5-6. **Oral Pathology.**—Pathological changes in oral cavity and their relation to general disease processes; study of neoplasms of mouth and jaws; special pathology of dental pulp, pericemental membrane, and alveolar process. Lectures, recitations, demonstrations, 1; laboratory work, 1 three-hour period, II.

Professors MOOREHEAD, SCHULTZ, Dr. DEWEY, and assistants

Required Courses—Fourth Year

11-12. **Oral Surgery.**—General and special surgery, including etiology, diagnosis, treatment of surgical lesions, local and general anesthetics. Lectures, 1, I, II.

Professor MOOREHEAD or Professor SCHULTZ

19-20. **Extracting Clinic.**—The selection and application of forceps and elevators; demonstration of the use of nitrous oxid and oxygen; demonstration of novocain, illustrating conduction and infiltration methods; asepsis; after treatment of cases. 6 three-hour periods. I, II (*one and a half weeks*).

Assistant Professor BERNARD, Dr. STUART, Dr. HEIN

PHYSICAL DIAGNOSIS AND CLINICAL MEDICINE

Professor WILLIAMSON

Required Courses—Fourth Year

- 1-2.—Physical diagnosis. Lecture 1, I. Clinical medicine. 1 two-hour period. I, II.
Professor WILLIAMSON and associates

ORTHODONTIA

Professor NOYES; Assistant Professor SIPPY; Dr. NEWELL, Dr. SWAIN.

Required Courses—Third Year

5. Demonstration and technic; impression taking and plaster model work; soldering technic. Lecture or quiz, 1; laboratory, 1 two-hour period. II.

Assistant Professor SIPPY and assistants

Fourth Year

9. Fundamental principles; normal occlusion; development of the human denture; relation of the denture to the features; forces governing occlusion; classification and etiology of malocclusions; conditions fundamental to treatment. Lecture, 1. I, II. Laboratory, 1 two-hour period. I. Professor NOYES, Assistant Professor SIPPY, and assistants

Fourth Year

50. Elective Course.—History of the treatment of malocclusion, appliances; time of treatment; principles of treatment; band construction; anchor band adaption; principles and application of expansion arch; construction of retaining appliances. Lecture, 1. Laboratory, 1 two-hour period. II. Professor NOYES and Assistant Professor SIPPY

ROENTGENOLOGY

Miss ANNA REGINALDA BOLAN, Miss DAME.

Required Course—Third Year, II Semester, and Fourth Year

3. Roentgenology.—History and theory; practical application; roentgenograms, technic, and interpretation. Lectures, 1. I. Laboratory to small groups, 8 two-hour periods. I or II.

Miss BOLAN and assistants

INFIRMARY

Director NYLANDER; Professors GALLIE, DITTMAR, COOLIDGE, NOYES; Assistant Professors WILLIAMS, UPP, BLAYNEY, SIPPY, KUBACKI; Dr. KREJCI, Dr. SHOLES, Dr. CONDIT, Dr. TYLMAN, Dr. BRINKMAN, Dr. COE, Dr. MUNRO, Dr. RYAN, Dr. BLAINE, Dr. WILLIS, Dr. SWAIN, Miss GELBER, Miss MILLER.

OPERATIVE DENTISTRY**Third Year**

18. Clinical Practise.—Cavity preparation; cement, amalgam, and gold restoration. Conferences and demonstrations to groups. II. *Prerequisite*: 16.

By members of the staff

Fourth Year

- 24-26. Clinical Practise.—Examination and diagnosis; erosion, hypoplasia abrasions; management of children's teeth gold; and porcelain inlays. Conferences and demonstrations to groups. I, II. *Prerequisite*: 18.

By members of the staff

PROSTHETIC DENTISTRY**Third Year**

12. Clinical Practise.—Diagnosis for prosthetic procedures; impression materials; impression taking, construction of partial and full dentures; crown and bridge restoration. Conferences and demonstrations to groups. II. *Prerequisites*: 9-10.

By members of the staff

Fourth Year

23-24. Clinical Practise.—Diagnosis for prosthetic restoration continued; removable bridge work; advanced partial and full denture construction; vels and obturators; porcelain crowns. Conferences and demonstrations to groups. I, II. *Prerequisite:* 14.
By members of the staff

THERAPEUTICS

Third Year

13. Clinical Practise.—Oral prophylaxis, technic of cleaning, enlarging and filling root canals; general management of root canals. Conferences and demonstrations to groups. II.
By members of the staff

Fourth Year

14. Clinical Practise.—Oral examinations and diagnosis; interpretation of roentgenograms; root canal and pericemental treatments; keeping of records. Conferences and demonstrations to groups. I, II. *Prerequisite:* 13.
By members of the staff

ORTHODONTIA

9. Clinical Practise.—Case diagnosis and treatment selection and adjustment of appliances; routine cases, groups of four. By members of the staff
A total of 256 hours are given to the third year Clinical Practise.
A total of 1,024 hours are given to the fourth year Clinical Practise.

DENTAL JURISPRUDENCE

Mr. BROTHERS

Required Course—Fourth Year

3. Dental Jurisprudence.—Individual and professional rights and obligations; responsibilities arising from the relation of dentist and patient and their enforcement in court; confidential character and inviolability of such relation; dental laws of the various states. Lectures, 1. I.
Mr. BROTHERS

BUSINESS PRACTISE

Mr. STANDISH

Required Course—Fourth Year

4. Business Practise.—Lectures and conferences on efficient office management, including cost accounting, bookkeeping, and collections; stocks, bonds, and other investments; insurance; contracts; salesmanship.
Mr. STANDISH

SUMMER COURSES

Ten-week summer courses are given for students desiring to advance their work or lighten the curriculum of the ensuing year. The courses are open to students of other schools who wish to benefit by the subjects given. The cost per term is twenty-five dollars. The following courses are offered.

- Dental Anatomy, 3-4, 16.
- Operative Technics, 11, 12, 16.
- Prosthetic Technics, 2, 5-6, 9-10.
- Infirmary Practise Courses:
 - Operative Dentistry, 18.
 - Prosthetic Dentistry, 12.
 - Therapeutics, 13.

COURSES FOR PRACTITIONERS

Courses will be arranged for an individual or group of individuals. Application for such courses should be made to the Dean.

SUMMARY OF THE CURRICULUM

First Year

Departments	Hours					Semester Hours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Zoology	32	32	64	64	192	8
Chemistry (Qualitative Analysis) ..	16	..	80	..	96	3½
Chemistry (Organic).....	..	32	..	96	128	5
English	32	16	..	..	48	3
Dental Anatomy	32	32	96	96	256	8
Prosthetic Dentistry.....	16	16	144	144	320	8
Technical Drawing .....	..	..	8	..	80	2
	128	128	464	400	1120	37½

Second Year

Departments	Hours					Semester Hours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Anatomy	32	32	96	96	256	10
Bacteriology .....	..	32	..	64	96	4
Chemistry (Physiological)	32	..	80	..	112	4½
Histology	16	16	96	64	192	8
Metallurgy .....	..	32	..	64	96	4
Operative Dentistry	16	16	48	48	128	4
Prosthetic Dentistry.....	16	16	144	144	320	8
	112	144	464	480	1200	42½

Third Year

Departments	Hours					Semester Gours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Pathology	64	..	80	..	144	6½
Pharmaco-Dynamics .....	..	..	..	32	32	2
Materia Medica and Therapeutics ..	16	16	..	..	32	2
Hygiene	16	..	..	..	16	1
Operative Dentistry	16	16	48	..	80	3
Prosthetic Dentistry	16	16	144	144	320	8
English	16	..	..	..	16	1
Anatomy .....	..	32	..	..	32	2
General Clinics (Infirmary Practise) ..	..	..	..	300	300	..
Physiology	32	32	64	64	192	8
Oral Pathology .....	..	16	..	48	64	2½
Orthodontia .....	..	16	..	32	48	2
	176	144	336	620	1276	38

SUMMARY OF THE CURRICULUM—Continued

Fourth Year

Departments	Hours					Semester Hours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
General Clinics (Infirmary Practise)	..	..	480	480	960	..
Operative Dentistry	16	..	..	..	16	1
Orthodontia	16	16	32	..	64	2½
Prosthetic Dentistry.....	16	..	32	32	80	2
Roentgenology.....	16	..	..	16	32	1
Therapeutics	32	32	..	..	64	4
Oral Surgery	16	16	74	74	180	5
Physical Diagnosis	16	..	..	..	16	1
Medical Clinics .....	..	..	32	32	64	4
Jurisprudence	16	..	..	..	16	1½
Business Practise .....	..	16	..	..	16	1½
English	16	..	..	..	16	1½
	160	80	650	634	1524	22

THE SCHOOL OF PHARMACY

For the *faculty* of the School of Pharmacy, see page 37, for a description of the *building*, see page 54; for *scholarships*, see page 90.

GENERAL STATEMENT

The School of Pharmacy was originally the Chicago College of Pharmacy and was incorporated under that name September 5, 1859.

In October, 1859, the first course of lectures was instituted, occupying three evenings a week for a period of six months. The first class, of two students, was graduated in 1861. The war caused a suspension of teaching, and the school was not reopened until 1870. The fire of 1871 destroyed the equipment, but in 1872 instruction was resumed for the second time and has since continued without interruption.

The College was formally united with the University May 1, 1896, becoming the technical School of Pharmacy of the University of Illinois.

The School of Pharmacy buildings are located at the corner of Wood and Flournoy streets in Chicago.

This location is in the great medical center of Chicago and close to the colleges of Medicine and Dentistry of the University.

ADMISSION

See the statement of the entrance requirements of the University, page 70.

Students who have pursued courses of study in other schools of pharmacy will be given credit for such portions of their work as are equivalent to the work required by this School.

Unclassified Students

Admission as unclassified students, not candidates for a degree, is restricted to registered apprentices, assistants, or pharmacists, not less than twenty-one years of age.

Enrollment

For several years past it has been found necessary to close the enrollment in the School of Pharmacy before the beginning of the session. It is, therefore, of advantage to students to enroll early. The first step in matriculation is to fill out an application for admission the blank for which may be secured by addressing the Dean of the School of Pharmacy.

REQUIREMENTS FOR GRADUATION

The candidate for the degree of Graduate in Pharmacy must be twenty-one years of age, and must have attended two annual courses of instruction, the first of which may have been in some other recognized college or school of pharmacy. He must have attended regularly the laboratory and lecture courses and have satisfactorily finished the work required.

Students who have successfully met the scholarship requirement, but are lacking in age will receive a certificate and will be awarded the diploma when this requirement is satisfied.

The candidate for the degree of Pharmaceutical Chemist must have successfully completed the course leading to the degree of Graduate in Pharmacy in this school or in some other recognized college or school of pharmacy whose requirements for admission and graduation are equivalent to ours. He must have satisfactorily completed the work of the third year at this school.

Persons competent to fill the general requirements of admission to the University may be granted credits upon other University courses for equivalent work completed at the School of Pharmacy.

STATE REGISTRATION

The pharmacy law of Illinois requires all candidates for the certificate of registered pharmacist to pass an examination given by the State Department of Registration and Education. Credit is given as a part of the "practical experience in compounding drugs" required by the law, for the actual time of attendance at a recognized school of pharmacy, but not to exceed twenty-four months for registered pharmacist or twelve months for registered assistant pharmacist.

An amendment to the pharmacy law, in effect July 1, 1917, requires graduation from a recognized school of pharmacy, of candidates for the certificate of registered pharmacist, with the exception of those drug clerks who were entered on the rolls of the Board of Pharmacy as apprentices or assistants prior to the date when the law went into effect. The diploma of this school also admits to the pharmacy examinations in other states where the graduation requirement is in force.

The School holds membership in the American Conference of Pharmaceutical Faculties.

FEES AND EXPENSES

For a statement of the fees, see page 92. Fees are payable in advance. Students unable to meet this requirement must make satisfactory arrangements with the Dean at the beginning of the course.

BOARD AND LODGING.—Good board and lodging, within a convenient distance of the School, can be had for from ten to fifteen dollars a week.

OPPORTUNITIES FOR EMPLOYMENT.—A register of students desiring employment and of pharmacists wishing to employ students is kept at the School. Students desiring employment are invited to correspond with the Dean.

CURRICULA AND DEGREES

A Two-Year Curriculum.—The course leading to the degree of Graduate in Pharmacy appeals especially to young men and women who desire to qualify themselves to become pharmacists. The instruction is so arranged as to require the attendance of first year students on three days each week; second year students on five days.

The system of teaching includes lectures, demonstrations, recitations, and written and oral examinations, as well as individual instruction in actual work in operative and dispensing pharmacy, analytical chemistry, use of the compound microscope, etc.

A Three-Year Curriculum.—To meet the demand for special training on the part of students who desire to pursue more extended courses in pharmaceutical chemistry, applied microscopy, and bacteriology, or to prepare themselves for positions in food and drug laboratories, the School offers a three-year course leading to the degree of Pharmaceutical chemist. This course comprises three annual sessions of thirty-four weeks each, the first two years being identical with the course for the degree of Graduate in Pharmacy.

EQUIPMENT

The total capacity of the laboratories is sufficient for 350 students, working at one time.

The laboratories are supplied with compound microscopes, analytical balances, and special apparatus, and with collections of crude drugs, medicinal plants, chemicals, and pharmaceutical products.

The library contains over four thousand volumes, including, in addition to the usual works of reference, many rare books and complete files of the leading pharmaceutical journals.

DESCRIPTION OF COURSES

PHARMACY

Professor SNOW, Mr. TERRY, Mr. MARTIN, Mr. BOCHNER.

First Year

1. **Theoretical Pharmacy.**—Pharmacy in its historical, professional, and legal relations, metrology, and specific gravity; pharmaceutical arithmetic; conversion of avoirdupois and apothecaries' weights into metric equivalents and vice versa; drills in percentage and alligation as applied to pharmaceutical preparations, processes of operative pharmacy; use of apparatus, utensils, and devices employed in pharmaceutical practice; heat, its source and uses; solution, its phenomena, effects and causes; filtration, extraction, and their modifications. Three lectures and recitations each week. First semester.

Professor SNOW, Mr. MARTIN, Mr. BOCHNER

2. **Galenical Pharmacy.**—Solutions and mixtures official in the United States Pharmacopoeia and National Formulary; methods of preparation and strengths; synonyms, common uses, and doses. Three lectures and recitations each week. First half, second semester.

Professor SNOW, Mr. MARTIN, Mr. BOCHNER

3. **Pharmacy of the Inorganic Substances.**—The elements, inorganic compounds and preparations; pharmaceutical and technical uses; posology and therapeutic applications. Three lectures and recitations each week. Second half, second semester.

Professor SNOW, Mr. MARTIN, Mr. BOCHNER

4. **Pharmaceutical Laboratory.**—Preparations illustrative of the various processes and operations outlined in Pharmacy 1. One laboratory period of three hours each week. First semester.

Professor SNOW, Mr. MARTIN, Mr. BOCHNER

5. **Pharmaceutical Laboratory.**—Manufacture of the simpler preparations of the United States Pharmacopoeia and National Formulary. One laboratory period of three hours each week. Second semester.

Professor SNOW, Mr. MARTIN, Mr. BOCHNER

6. **Dispensing.**—Preparation of the most important solutions and mixtures of the United States Pharmacopoeia and the National Formulary, intended for extemporaneous compounding in prescription form. One laboratory period of one hour each week. Second semester.

Professor SNOW, Mr. MARTIN, Mr. BOCHNER

Second Year

7. **Galenical Pharmacy.**—A continuation of Pharmacy 2. Infusions, decoctions, tinctures, fluid extracts, and resins. Preparations for internal use; powders, masses, pills, confections, troches, capsules, cachets, and tablets. Preparations for external use: ointments, cerates, suppositories, and plasters. Three lectures and recitations each week. First semester.

Professor SNOW, Mr. TERRY

8. **Organic Substances.**—Preparation, purification, identity, purity, and strength, pharmaceutical preparations, medicinal uses, and doses. Three lectures and recitations each week. Second semester.

Professor SNOW, Mr. TERRY

9. **Pharmaceutical Laboratory.**—Preparation of such mixtures of solids for internal and external use as are adapted to manufacture on a small scale and to be kept on hand in the pharmacy. One laboratory period of four hours each week. Both semesters.

Professor SNOW, Mr. TERRY, Mr. MARTIN, Mr. BOCHNER

10. **Dispensing.**—Preparation of mixtures adapted to extemporaneous compounding. Typical prescriptions, methods for the prevention or modification of incompatibilities. Drills in prescription reading, Latinity and abbreviations, foreign synonyms, directions, and posology. One lecture or recitation and one laboratory period of two hours each week. Both semesters.

Professor SNOW, Mr. TERRY, Mr. MARTIN, Mr. BOCHNER

Third Year

11. Operative Pharmacy.—Determination of physical constants. Manufacture of preparations of the United States Pharmacopoeia and National Formulary; application of tests for purity and identity; extra-official preparations employed in this country and abroad. One lecture or recitation and three laboratory periods of three hours each week. First semester. Professor SNOW, Mr. TERRY

12. Manufacturing Pharmacy.—Preparation of potent tinctures, fluid-extracts, resins, alkaloids, and other active principles; application of commercial assay processes. One lecture or recitation and three laboratory periods of three hours each week. First, half, second semester. Professor SNOW, Mr. TERRY

13. Manufacturing Pharmacy.—Commercial and industrial methods for the manufacture of pills, tablets, ointments, effervescent salts, extracts, and dermatological preparations. An opportunity is afforded the student to use commercial labor-saving machinery. Manufacture and testing of organic preparations. One lecture or recitation and three laboratory periods of three hours each week. Second half, second semester. Professor SNOW, Mr. TERRY

CHEMISTRY

Professor CLARK, Mr. WEAVER, Miss DYNIEWICZ, Mr. WEBSTER

First Year

1. Theoretical Chemistry.—General principles of chemistry in connection with the non-metallic elements; nature of acids, bases, and salts from the standpoint of the modern theories of ionization and dissociation. Two lectures, one recitation each week. First semester. Professor CLARK, Mr. WEAVER

2. General Chemistry.—A study of the metals, in which the theories and principles of chemistry learned in course 1 are applied. Two lectures, one recitation each week. Second semester. Professor CLARK, Mr. WEAVER

3. Qualitative Analysis.—Identification of the various inorganic acid radicals and the more common metals; the examination of about thirty unknown mixtures; the special qualitative tests of the United States Pharmacopoeia; examination of medicinal chemicals for identity and purity. One lecture and one laboratory period of two hours each week. First semester. Mr. WEAVER, Mr. WEBSTER

4. Qualitative Analysis.—A continuation of Chemistry 3. One lecture and one laboratory period of three hours each week. Second semester. Mr. WEAVER, Mr. WEBSTER

Second Year

5. Organic Chemistry.—A systematic course in the study of the carbon compounds. Simple hydrocarbons and their derivatives; alcohols, ethers, aldehydes, acids, esters, and carbohydrates. Two lectures and one recitation each week. First semester. Professor CLARK, Mr. WEAVER

6. Organic Chemistry.—Aromatic hydrocarbons and their derivatives; synthetic remedies and alkaloids. Two lectures, one recitation each week. Second semester. Professor CLARK, Mr. WEAVER

7. Elementary Quantitative Analysis.—Typical examples of gravimetric analysis as applied to the determination of the purity and strength of medicinal substances. Two lectures or recitations and two laboratory periods of three hours each week. First semester. Professor CLARK, Miss DYNIEWICZ

8. Quantitative Analysis.—Volumetric processes of the United States Pharmacopoeia. Analysis of organic substances and alkaloids. Two lectures or recitations and two laboratory periods of three hours each week. Second Semester. Professor CLARK, Miss DYNIEWICZ

Third Year

9. Organic Chemistry.—Organic methods. Qualitative detection of elements. Synthesis of typical compounds. One lecture or recitation and two laboratory periods of three hours each week. First semester. Professor CLARK, Miss DYNIEWICZ

10. Advanced Quantitative Analysis.—A continuation of Chemistry 7. Urinalysis is included. One lecture or recitation and two laboratory periods of three hours each week. First semester. Professor CLARK, Miss DYNIEWICZ

11. Food Analysis.—Alcohols, carbohydrates, oils, fats, flavors, colors, preservatives. One lecture or recitation and two laboratory periods of four hours each week. Second semester. Professor CLARK, Miss DYNIEWICZ

12. Alkaloids.—Alkaloidal assay methods of the United States Pharmacopoeia together with a general survey of the constitution and behavior of alkaloids. One lecture or recitation and two laboratory periods of three hours each week. Second semester. Professor CLARK, Miss DYNIEWICZ

MATERIA MEDICA AND BOTANY

Professor DAY, Assistant Professor GATHERCOAL, Mr. WIRTH, Mr. GROOT, Mr. DORJAHN
First Year

1. General Botany.—A general course dealing chiefly with the flowering plants. Two lectures, one recitation and one laboratory period of one hour each week. First semester. Professor DAY

2. Plant Histology.—The microscopic structure of plants; the technic of the microscope; the operations of lighting, focusing, drawing, measuring, cutting, mounting objects; the application of micro-chemical tests, staining, etc. One laboratory period of two hours each week. First semester. Assistant Professor GATHERCOAL, Mr. WIRTH, Mr. DORJAHN

3. Plant Histology.—A continuation of Botany 2. One laboratory period of two hours each week. Second semester.

Assistant Professor GATHERCOAL, Mr. WIRTH, Mr. DORJAHN
4. Physiology and Hygiene.—A general course with instruction in caring for emergency cases. Two lectures and one recitation each week. First semester. Mr. GROOT

5. Materia Medica.—General principles of materia medica; classification of medicines based on therapeutic action; incompatible drugs, posology, and toxicology. Two lectures, and one recitation, each week. Second semester. Professor DAY

6. Pharmacognosy.—A laboratory study of crude drugs including their recognition, description, and characteristic features. The drugs derived from the cryptogams, the gymnosperms, and the monocotyledons. One hour recitation and one hour laboratory each week. Second semester. Assistant Professor GATHERCOAL, Mr. WIRTH, Mr. DORJAHN

Second Year

7. Materia Medica.—Plant drugs in botanic sequence; animal drugs; titles, synonyms, collections, preservation, standardization, therapeutic use, dose, and preparations. Two lectures and one recitation each week. Both semesters. Professor DAY

8. Pharmacognosy.—A laboratory study, a continuation of Pharmacognosy 6. Drugs derived from the dicotyledons, and including in addition thereto methods employed for detection of adulterations in powdered drugs. One laboratory period of three hours and one recitation each week. One and one-half semesters. Mr. WIRTH, Mr. DORJAHN

9. Bacteriology.—Characteristics of bacteria; morphology, structure, and classification; chemical composition, vital phenomena, and chemical effects. Relation of bacteria to disease; theories of infection and immunity; ferments, ptomaines, toxins and antitoxins. Action of antiseptics, disinfectants, and bactericidal substances. Preparation of culture media and staining solutions; methods of cleaning and sterilizing glassware; methods of making plate cultures and colonies; technic of cover-glass slips. One lecture or recitation and three laboratory periods of three hours each week. Two-thirds semester. Assistant Professor GATHERCOAL

Third Year

10. Applied Microscopy.—A study of important powdered drugs and spices, with their substitutes and adulterants; practise in technical methods employed in their examination; micrometry, use of the micropolariscope, application of special reagents, etc.; the microscopic examination and identification of hairs, fibers, and textiles, urinary sediments, blood, pus, tubercasts, and crystalline substances. One lecture or recitation and two laboratory periods of three hours each week. First semester. Assistant Professor GATHERCOAL, Mr. WIRTH

Third Year

11. Bacteriology.—A course in sanitary bacteriology, and the mycology and bacteriology of foods and drugs. Causal relation of microorganisms to disease; methods of determining the bacteria of milk and water; valuation of disinfectants; the methods of sterilization and diagnosis by means of bacterial cultures. Two hours of lectures and recitations, seven hours of laboratory each week. Second half, second semester. Assistant Professor GATHERCOAL

PART III

DESCRIPTION OF COURSES

EXPLANATION

The arrangement of subjects in the following Description of Courses is alphabetical. The connections of allied departments are indicated by cross references.

Following the description of each course of instruction will be found the requirements, if any, for admission to that particular course. The sequence indicated by these prerequisites must be followed. For instance, under Art and Design 7a, Still-life in Oil Colors, the prerequisites given are Art and Design 1 and 2. These two courses must be completed before Course 7a may be taken.

If a course not required for graduation is selected by fewer than five students it may be withdrawn for the semester.

Graduate courses are numbered upward from 100.

Credit is reckoned, *for undergraduate students*, in *semester hours*, or simply *hours*. An *hour* is one class period a week for one semester or the equivalent in laboratory, shop, or drawing room.

The semester and the number of hours each semester for which the course counts are shown after each course, thus: I, II; (2). The Roman figures indicate semesters; the Arabic numerals in parentheses indicate hours of credit for *each semester* for undergraduates.

Credit for first-year graduate students, candidates for the master's degree, is counted in units. A unit course is one which requires ten hours of time a week through one semester, irrespective of the distribution of that time in class work, laboratory work, and private study; four such courses or their equivalent constitute a full minimum program for one semester. The unit values of graduate courses (numbered 100 and upward) are indicated in the following pages. Courses of the intermediate groups "for graduates and advanced undergraduates," are in general (unless otherwise specified by the department concerned) evaluated as follows for graduate credit: (a) courses open only to students having at least senior standing, 1 unit for a 4-hour or 5-hour course, $\frac{1}{2}$ unit for a 1-hour, 2-hour, or 3-hour course; (b) courses open to juniors, $\frac{1}{2}$ unit for a 4-hour or 5-hour course; $\frac{1}{4}$ unit for a 1-hour, 2-hour, or 3-hour course.

For second-year and third-year graduate students, candidates for the doctor's degree, no record of units is kept.

The omission of a course for the current year is indicated by enclosing the entire description of such a course in brackets.

Courses given in the summer session of 1922 are indicated by the initial letter S preceding the number and are grouped by departments after the courses given during the winter.

ACCOUNTANCY

(See BUSINESS ORGANIZATION AND OPERATION)

AGRICULTURAL COLLEGE EXTENSION

Professor RANKIN, Mr. HIERONYMUS, Mr. YOUNG, Mr. GATES.

4. Elementary Agricultural Extension.—Introduction to agricultural college and university work; methods of study; scope and application of agricultural teaching and investigation. Lectures. Required of first-year students. I; (1).
(Credit given to agricultural freshmen only).

Assistant Dean RANKIN and other lecturers
NOTE.—For former courses offered under Agricultural College Extension, and other related courses, see Agricultural Education.

AGRICULTURAL EDUCATION

(See EDUCATION)

AGRONOMY

Professor BURLISON; Assistant Professors DETURK, SMITH, SNIDER, WOODWORTH, SEARS, WIMER; Mr. RICHMOND, Mr. DUNGAN, Mr. SPENCER, Mr. VANDER VEEN, Mr. HARLAND, Mr. CRANE, Mr. CARNEY, Mr. IFTNER, Mr. LAWSON, Mr. WINTER, Mr. JONES.

[7. **Advanced Farm Crops.**—Climatic and soil factors in relation to crop production; meadows and pastures; rotation; distribution of labor; cost of production; pure seed production; supply and consumption of products and by-products of farm crops; storage and marketing. Lectures; assigned reading; laboratory; demonstrations. II; (3). Not given in 1922-23. Professor BURLISON

Prerequisite: Agronomy 25, Chemistry 13a or 8, and either Botany 27a or an approved equivalent in science (consult instructor).]

8. **Special Farm Crops.**—Special crops in which the student is interested. Reading; experiments by pot culture in the greenhouse or by plots in the field. Under special arrangement part of this work may be done during summer vacation. II; (2 to 5)¹

Professor BURLISON, Mr. DUNGAN

Prerequisite: Agronomy 7.

9. **Soil Physics and Management.**—Origin of soil material and formation and classification of soils; organic matter of soils; moisture, its movement and control; drainage and dry land agriculture; irrigation; temperature; aeration; tillage; soil erosion; rotation. Lectures; laboratory; quiz. I or II; (5). Assistant Professor WIMER, Mr. HARLAND

Prerequisite: Chemistry 2, and one unit of entrance or university physics.

10. **Special work in Soil Physics.**—The problems, methods, and literature of soil physics are treated in lecture; laboratory work, if taken, is arranged to meet the needs of each student. II; Lectures (2), laboratory² (1-3)¹. Assistant Professors SMITH, WIMER

Prerequisite: Agronomy 9 and approval of the Soil Physics Division.

11. **Soil Biology.**—Quantitative studies of the biochemical activities of soil micro-organisms with respect to fertility; factors influencing action on insoluble mineral plant food; fermentation of crop residues, green and farm manures, nitrogen fixation, assimilation, and preservation, and similar studies of the other essential elements. Lectures; quiz; laboratory. II; (5). Assistant Professor SEARS, Mr. RICHMOND

Prerequisite: Agronomy 12 and Bacteriology 5a and 5b, or 20, or the equivalent.

12. **Soil Fertility, Fertilizers, Rotations.**³—The influence of fertility on yield; effect of different crops on the soil and on succeeding crops; different rotations, ultimate effect of different systems of farming on fertility and productivity; composition and value of manures and fertilizers, soils cropped continuously with different crops and with a series of crops; the fertility of soils of different types from different sections of Illinois. Lectures, quiz, laboratory.⁴ II; (5).

Assistant Professors DETURK, SEARS, Mr. CRANE, Mr. JONES

Prerequisite: Chemistry 13a or 8.

[12a. **Soil Fertility, Fertilizers, Rotations.**—The same as Agronomy 12 for advanced students. Lectures; quiz; II. (3). Not given in 1922-1923. Assistant Professor DETURK

Prerequisite: Graduate standing, or advanced undergraduate standing with the approval of the division].

13. **Special Work in Soil Fertility.**—The chemistry of plant growth as related to the utilization of plant food materials; relation of solubility to availability; special methods of analysis and special problems in laboratory and greenhouse work. I; (3).

Assistant Professor SEARS

Prerequisites: Agronomy 12, junior standing.

¹In registering for a course with variable credit hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

²Laboratory and quiz section will be filled in alphabetical order.

³A required inspection trip to certain soil experiment fields or farms will be arranged in May or early June, in connection with courses 12 which will require an expense of about \$15.00 on the part of the student.

⁴The student is advised to collect in advance a representative composite sample of surface soil (at least six pounds) from land in which he is interested (see page 44 of the Soil Fertility Laboratory Manual, or Illinois Experiment Station Circular 150).

[14. Seed Inspection and Grain Standardization.—(For advanced students who intend to enter the grain or seed business). Advanced work in the inspection of samples of small seeds for purity and germination; sampling, judging, grading of seeds, grains and hays. Seed and grain laws and their application; transportation, marketing, centers of population. Lectures; laboratory. I; (2). Not given in 1922-1923.

Prerequisite: Agronomy 7, or simultaneous registration therein.]

18a-18b. Thesis: Soil Fertility. I, II; (5). Assistant Professor DeTurk

18c-18d. Thesis: Soil Physics. I, II; (5). Assistant Professor Smith

18e-18f. Thesis: Soil Biology. I, II; (5). Assistant Professor Sears

18g-18h. Thesis: Plant Breeding. I, II; (5). Assistant Professor Woodworth

18j-18k. Thesis: Field Crops. I, II; (5). Professor Burlison

Prerequisite: 90 hours credit before the senior year; 20 hours credit in subjects pertinent to the thesis problem and the approval of the head of the department.

19a-19k. Research Work in Agronomy.—Consult instructor regarding time and requirements.

19a-19b. Research Work in Agronomy.—Soil Fertility. I, II, (3-5).¹

Assistant Professor DeTurk

19c-19d. Research Work in Agronomy.—Soil Physics. I, II; (3-5).¹

Assistant Professor Smith

19e-19f. Research Work in Agronomy.—Soil Biology. I, II; (3-5).¹

Assistant Professor Sears

19g-19h. Research Work in Agronomy.—Plant Breeding. I, II; (3-5).¹

Assistant Professor Woodworth

19j-19k. Research Work in Agronomy.—Field Crops. I, II; (3-5).¹

Professor Burlison

Prerequisite: Approval of the head of the division.

22. Plant Breeding.—The improvement by breeding of field crops, including grains, grasses, and legumes; general principles involved, with practical applications. Lectures, assigned reading, demonstrations, and laboratory. I; (3). Assistant Professor Woodworth

Prerequisite: Agronomy 25; Botany I; Chemistry 13a; Animal Husbandry 8; junior standing.

25. Farm Crops.—Plant growth; structure; principles governing the production and harvesting of common farm crops; habits; characteristics, requirements, means of improvement; common diseases, insects, and their control; weed seed identification; methods of weed control; seed testing for purity and germination; market grades of grain; grain judging. I or II; (4). Mr. Carney, Mr. Iftner, Mr. Lawson

Courses for Graduates

101. Soil Investigations.—Methods of soil investigations; sources of error and methods of control; interpretation of results. Twice a week. I, II; (1 unit).

Assistant Professor DeTurk

[104. Seminary in Anatomy.—Critical study by graduate students, faculty, and staff members of current literature on subject of soils and crops. Once a week. I, II; ($\frac{1}{2}$ unit). Not given in 1922-1923.

111. Soil Biology.—Critical study of the biochemical methods of soil investigations; interpretations of experimental results and applications of statistical methods; outlining new methods of attack for research problems. Once a week. I; ($\frac{1}{2}$ to 1 unit).¹

Assistant Professor DeTurk

112. Plant Breeding.—Genetics of crop plants; genetic interpretation of inheritance of size, yield, disease resistance, and of effects of selection; linkage and correlated characters; multiple allelomorphs. Twice a week. II; ($\frac{1}{2}$ unit). Assistant Professor Woodworth

114. Crop Production.—Crop Ecology, methods and results of crop production investigations. Once a week. I, II; ($\frac{1}{2}$ to 2 units).¹ Professor Burlison

118. Research.—A special problem is chosen by each student; consultation one to two times a week for different students. When registering for a thesis, the work is pursued under this course. I, II; (1 to 4 units).¹ Heads of Divisions

¹In registering for a course with variable credit hours, a student must put down on his study list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5. In the 19 courses the minimum number of credits which may be taken during a given semester is 3 hours and the maximum 5 hours.

ANATOMY

(See ZOOLOGY).

ANIMAL HUSBANDRY

Professors RUSK, MUMFORD, GRINDLEY, EDMONDS, DETLEFSEN¹, GRAHAM, CARD; Associate Professor MITCHELL; Assistant Professors SNAPP, ROBERTS, BULL; Mr. RICE, Mr. KAMMLADE, Dr. BOUGHTON, Mr. CRAWFORD, Mr. HAMILTON, Mr. LAIBLE, Mr. MACKEY, Mr. KNOX, Mr. CARMAN, Mr. CLARK, Mr. LUENOW.

Courses for Undergraduates

Animal Pathology: Animal Husbandry 34, 35.
 Beef Cattle: Animal Husbandry 11a, 11b.
 Breeding, Feeding, Management, and Marketing: Animal Husbandry 8, 21, 28, 29, 30, 32.
 General Judging: Animal Husbandry 1a, 2a, 4a, 5, 11a, 22.
 Genetics: Animal Husbandry 30.
 Horses: Animal Husbandry 4a, 4b.
 Meat: Animal Husbandry 10, 24, 36.
 Nutrition: Animal Husbandry 7, 31.
 Poultry: Animal Husbandry 37.
 Sheep: Animal Husbandry 1a, 1b, 27.
 Swine: Animal Husbandry 2a, 2b, 26.

NOTE.—Students registered in advanced courses such as 10, 29, and 32, are required to participate in tours of inspection of representative markets, farms, herds, flocks, and studs.

1a. Sheep: Breeds and Market Classes.—Breeds used for mutton and wool production; types, characteristics, and adaptability; market classes and grades of sheep and wool. Lectures; judging. I; (2). Mr. KAMMLADE, Mr. MACKEY

Prerequisite: Animal Husbandry 5 or its equivalent.

1b. Sheep: Breeding, Feeding, and Management.—Pure bred and grade flocks; feeding, housing, and shepherding. Lectures, references reading, quizzes. I; (3).

Mr. KAMMLADE, Mr. MACKEY

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 1a and 1b the same semester.

2a. Swine: Judging.—History of the leading breeds; types, characteristics, and adaptability; market classes and grades; market reports. Lectures; judging. II; (2).

Mr. RICE, Mr. LAIBLE

Prerequisite: Animal Husbandry 5 or its equivalent.

2b. Pork Production.—Economic production of market and breeding hogs. Breeding, feeding, housing, care, sanitation, common diseases, and marketing. Lectures; assigned reading; quizzes. II; (3).

Mr. RICE, Mr. LAIBLE

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 2a and 2b the same semester.

4a. Market Classes of Horses and Mules and Breeds of Horses.—Market classes, grades, and requirements. History of the leading breeds; types, characteristics, and adaptability. Lectures; judging. II; (2).

Professor EDMONDS, Mr. CRAWFORD

Prerequisite: Animal Husbandry 5 or its equivalent.

4b. Breeding, Feeding, and Management of Horses.—Care of stallions, mares, and foals; of work horses and drivers at labor and idle; fattening horses for market. Lectures; assigned reading. II; (3).

Professor EDMONDS, Mr. CRAWFORD

Prerequisite: Animal Husbandry 5, 8, 21, or their equivalents.

It is advisable to take 4a and 4b the same semester.

5. Principles of Live Stock Judging.—Elementary course in the selection of farm animals for market, feed lot, work, and breeding purposes; nomenclature of external parts; the use of the score card, and the comparative judging of the various types of live stock; characteristics of the important breeds of beef cattle, hogs, horses, sheep, and poultry. Required in freshman year. I or II. (3).

Assistant Professor SNAPP and others

¹On leave of absence.

7. Principles of Animal Nutrition.—Composition of feeding stuffs and the chemistry of food nutrients; digestion and the determination of digestibility; absorption and metabolism of organic and inorganic nutrients; the function of fats, carbohydrates, proteins, and ash constituents in nutrition; energy, metabolism, and the fuel value of the feeding stuffs; regulating factors in metabolism; food requirements and feeding standards; the specific value of different feeds in nutrition. Lectures; recitations. I; (5).

Associate Professor MITCHELL

Prerequisite: Animal Husbandry 21; Chemistry 13a or 8.

8. Principles of Breeding.—Elemental facts of evolution and genetics; origin of domesticated animals and plants; the relation to genetics of different systems of plant and animal breeding. Required in the sophomore year. I or II; (2).

Assistant Professor ROBERTS

9. Thesis.—Open to any student who has completed 90 hours of credit before the senior year provided he has done 20 hours of work in courses pertinent to the thesis problem. Subject to the approval of the instructor. I or II. (5). Time to be arranged.

Members of the Department

12. Investigation.—Open to students who have completed 90 hours of credit before the senior year provided that 20 hours of work have been done in courses pertinent to the problem. Consent of the instructor necessary. I or II. (5). Time to be arranged.

Members of the Department

10. Meat.—Farm butchering, curing, and care of meats; yield, quality, and values of meat and by-products, as related to breeding, feeding, and health of animals; classes, grades and cuts of meat in wholesale and retail markets. The class will visit a Chicago packing house. The cost of the trip will be about \$15. II; (3). Assistant Professor BULL

Prerequisite: Animal Husbandry 36.

11a. Beef Cattle Judging.—Breeds and market classes; history of the leading breeds; beef type from the standpoint of the butcher, the feeder, and the breeder; classification and value of each grade according to current market reports. Judging; lectures; quizzes; assigned readings. I; (2).

Professor RUSK, Assistant Professor SNAPP, Mr. CLARK, Mr. KNOX

Prerequisite: Animal Husbandry 5 or its equivalent.

11b. Beef Production.—History of beef industry in the United States; importance of beef in international trade; sectional differences in methods of beef production; relation of beef cattle to general farming; breeding and management of pure-bred herds; breeding for the market; economic factors in cattle feeding; influence of age, grade, condition, and sex; preparation of feeds; financial aspects of cattle feeding; equipment; fitting cattle for show and sale. Lectures; quizzes; assigned readings (text book). I; (3).

Professor RUSK, Assistant Professor SNAPP, Mr. KNOX, Mr. CLARK

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 11a and 11b simultaneously.

21. Principles of Feeding.—Classification, digestibility, and functions of feed nutrients; classification and values of feeding stuffs; feed requirements and calculation of balanced rations for farm animals. Required in the sophomore year. I or II; (3).

Assistant Professor BULL, Mr. LUHNOW, Mr. CARMAN, Mr. HAMILTON

Prerequisite: Chemistry 1 or 1a; Chemistry 2; Animal Husbandry 5; and registration in Animal Husbandry 8.

22. Advanced Stock Judging.—Animal conformation, quality, and condition with reference to market and show yard requirements; selection of horses, beef cattle, sheep, and swine, for feed lot, market, and exhibition; judging at live stock shows. I; (3).

Heads of divisions

Prerequisite: Animal Husbandry 1a, 2a, 4a, 11a, or their equivalents.

[24. Meat.—Influence of type, condition, age, sex, and feeds on the yield and market grade of meat products. II; (2-5).¹ Time to be arranged. Not given in 1922-1923.

Assistant Professor BULL

Prerequisite: Animal Husbandry 10, and 1a or 2a or 11a; three years' work in the University, or its equivalent.]

[26. Pork Production.—Special problems. I; (2). Time to be arranged. Mr. RICE

Prerequisite: Animal Husbandry 2a, 2b, and senior standing. Not given 1922-1923.

¹In registering for a course with variable hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

27. Sheep Husbandry.—Factors determining the importance of the industry in leading sheep growing countries, particularly different parts of the United States. II; (2-5).¹ Time to be arranged. Mr. KAMMLADE

Prerequisite: Animal Husbandry 1a, 1b; three years' work in the University, or the equivalent.

28. History of Breeds of Live Stock.—Origin and establishment of the leading breeds of horses, beef cattle, sheep, and swine. Methods of the most influential breeders; performance and pedigrees of famous animals. Lectures, assigned readings and problems. II. (3). Heads of divisions

Prerequisite: Junior standing.

29. Systems of Live Stock Farming.—The physical and economic factors which tend to determine the types of farming. The economic organization of the various types of live stock farming with special reference to the proportions of land, labor, and capital employed in the production of the various classes of live stock. Planning systems of live stock farming. The class will visit some of the live stock farms included in the cost accounting investigations conducted by the department of animal husbandry and the department of farm organization and management. This trip will cost about \$25.00. II; (2).

Prerequisite: Animal Husbandry 5, 8, 21, and 6 hours' credit from 1b, 2b, 4b, or 11b; Farm Management 1. See note at the beginning of description of Animal Husbandry courses. Assistant Professor CASE

[30. Genetics.—Heredity, variation, elements of biometry, and their practical application to breeding. Lectures; demonstrations; laboratory. Laboratory fee, \$1.00. I; (5). Not given 1922-1923. Professor DETLEFSEN, Assistant Professor ROBERTS

Prerequisite: Two years of university work. Before registering, students must secure the approval of the instructor.]

31. Advanced Course in Animal Nutrition.—Some of the more advanced phases of the chemistry and physiology of nutrition; recent developments of the nature of growth, the factors affecting metabolism, and the food requirements of animals under different conditions; nutrition investigations of agricultural experiment stations in this and other countries. Lectures; quizzes; assigned readings. II; (3). Time to be arranged.

Prerequisite: Animal Husbandry 7; an elementary knowledge of organic chemistry is also desirable. Associate Professor MITCHELL

[32. Marketing Live Stock.—Markets and methods of marketing live stock and their products. Advertising and sale of surplus pedigreed live stock. Certain inspection trips will be required of the class. The expense of these trips will be about \$15.00. II; (2). Not given in 1922-1923.

Prerequisite: Two years of university work. At least 4 credits in Animal Husbandry 1a, 2a, 4a, and 11a. See note at the beginning of description of animal husbandry courses].

34. Anatomy and Physiology of Farm Animals.—The structure and function of the animal economy (horse and cow) in health, supplemented by a discussion of the common malformations and non-specific diseases affecting the various organs and systems of the animal. Lectures; assigned readings; quizzes. I; (3). Dr. BOUGHTON

Prerequisite: Sixty hours of university work.

35. Contagious Diseases of Farm Animals.—The causes, symptoms, and methods of prevention of the common diseases of animals transmissible to man. A discussion of anti-serums, vaccines, antitoxins, and bacterins, as well as other biological products as related to the prevention, cure, and diagnosis of animal diseases. Lectures; assigned readings; quizzes. II; (2). Professor GRAHAM

Prerequisite: Animal Husbandry 34.

36. Meats.—Production and consumption of meat; structure, composition, nutritive value; economy and place in the diet; wholesale and retail cuts; selection and preparation; the packing industry and its by-products. Lectures. I; (2).

Assistant Professor BULL

Prerequisite: Two years of University work.

37. Poultry Management.—A brief, general course dealing with the practical application of the principles of poultry husbandry to general farm conditions. A prerequisite to further courses in poultry. Lectures, assigned readings, quizzes. II; (3). Professor CARD

Prerequisite: 30 hours of university work.

¹In registering for a course with variable credit hours, a student must put down on his study list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5 but 2, or 3, or 4, or 5.

39. Poultry Production.—An advanced course in poultry management, dealing with the problems involved in replenishing the laying flock, with special reference to breeding, incubation, brooding, and rearing. Registration limited for 1922-1923. Two lectures and one laboratory period each week. II; (3).

Professor CARD

Prerequisite: Animal Husbandry 37, Animal Husbandry 5.

Courses for Graduates

Students entering graduate work in animal husbandry must have had a thoro training in the fundamental principles of the subject either in connection with or in addition to a course of study in agriculture substantially equivalent to that offered in this University.

103. Live Stock Experimentation.—Objects, methods, and the sources of error in experimental work dealing with the feeding, breeding, and management of farm animals. Once a week; second semester. ($\frac{1}{2}$ unit). Dean MUMFORD

110. Animal Nutrition.—Biochemistry, digestion, metabolism, and nutrition value of proteins. Twice a week; both semesters. ($\frac{1}{2}$ unit).

Professor GRINDLEY, Associate Professor MITCHELL

111. Animal Nutrition.—Biochemistry, digestion, metabolism, and nutritive value of fats and liquids, carbohydrates, and inorganic substances. Twice a week; both semesters. ($\frac{1}{2}$ unit).

Professor GRINDLEY, Associate Professor MITCHELL

112. Research.—Investigations along the following lines:

(a) Economic factors involved in meat production.

Professor RUSK

(b) Systems of live stock farming.

Assistant Professor CASE

(c) The valuation of pedigrees. (Not given, 1922-23).

(d) Animal Nutrition. The chemistry of feeding stuffs; metabolism experiments and biochemical studies connected with the nutrition of farm animals.

Professor GRINDLEY, Associate Professor MITCHELL

(e) Genetics. Problems in heredity and variation. (Not given 1922-23).

Assistant Professor ROBERTS

(a), (b), and (c), one to three times, (d) and (e), five times a week; both semesters. (1 to 2 units).¹ These courses may be taken during the summer by special permission.

116. Seminar in Animal Husbandry.—Once in two weeks; both semesters.

Members of the Department

[117. Genetics.—Genetic experiments; biological and mathematical methods employed; the validity of the conclusions. Two to five times a week; both semesters. (1 to 2 units). (Not given 1922-1923.)

Assistant Professor ROBERTS

118. Animal Nutrition Seminar.—A review of current literature in animal nutrition. Two hours a week. Both semesters. ($\frac{1}{2}$ unit).

Associate Professor MITCHELL

119. Laboratory Methods in Animal Nutrition.—The use of the bomb calorimeter in nutrition work; determination of the respiratory exchange in laboratory animals; nitrogen balance studies; analytical methods. Two to five times a week. Both semesters. ($\frac{1}{2}$ to 1 unit).

Associate Professor MITCHELL

ARCHITECTURE

Professors PROVINCE, RICKER, WHITE, NEWCOMB; Associate Professors DAVISON; Assistant Professors PALMER, DILLENBACK, TITCOMB, BAILEY; Mr. O'DONNELL, Mr. MCANLIS, Mr. LANGFORD, Mr. PATTERSON, Miss WOODROOFE, Mr. PICKERING, Mr. SHELTON, Mr. EPPS, Mr. MEDER, Mr. ARMANTROUT, Mr. FORDYCE, Miss FEHRENKAMP.

A. ARCHITECTURE

13, 14, 15, 16, 18. History of Architecture.—From the Egyptian period to modern times; effects of local, political, and economic conditions; influence of material, climate, structural systems, the various countries and periods; evolution of architectural forms. Illustrated lectures; quizzes. I, II; (2).

Professor NEWCOMB, Mr. O'DONNELL

Prerequisite: Sophomore standing in architecture or architectural engineering, or Architecture 31 and 32. No prerequisite required of students in other departments.

¹In registering for a course with variable credit hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

- 23-24. Freehand Drawing.**—Charcoal drawing from the cast. Water color work. I, II; (2). Miss WOODROOFE
- Prerequisite:* Architecture 32.
- 25. Freehand Drawing.**—Principles underlying arrangement of form and color; rhythm and sequence; harmony and contrast. I; (2). Mr. PATTERSON
- Prerequisite:* Architecture 24.
- 26. Freehand Drawing.**—Charcoal, pen, pencil, and water color drawing from the cast and still life. Out-of-door sketching. II; (2). Mr. PATTERSON
- Prerequisite:* Architecture 25.
- 27. Freehand Drawing.**—Sketching from still life; study of proportions. I; (2). Mr. PATTERSON
- Prerequisite:* Architecture 26.
- 28. Freehand Drawing.**—Water color; original decorative composition; out-of-door sketching. I, II; (2). Mr. PATTERSON
- Prerequisite:* Architecture 27.
- 31. Architectural and Freehand Drawing.**—Instruments, pen, pencil, and brush; lettering; shades and shadows; perspective. Charcoal drawing from the cast. I; (4). Miss WOODROOFE, Mr. PICKERING, Mr. FORDYCE
- Prerequisite:* Registration in General Engineering Drawing 2.
- 32. Architectural and Freehand Drawing.**—Elements of architecture; walls, moldings, doors, windows, the Orders, vaults, roofs, stairs. Wash rendering, charcoal drawing from the cast. Lectures and sketching. II; (4). Miss WOODROOFE, Mr. PICKERING, Mr. FORDYCE
- Prerequisite:* Architecture 31.
- 33-34. Design.**—(Elementary). Rendered order and sketch problems involving simple composition; library research in elements of composition. I, II; (3). Assistant Professor BAILEY
- Prerequisite:* Architecture 32.
- 35-36. Design.**—(Intermediate). Rendered plan and sketch problems; library research in plan and interior elements. I, II; (5). Assistant Professor TITCOMB
- Prerequisite:* Architecture 34.
- 37. Design.**—(Advanced). Original design. I; (7). Assistant Professor DILLENBACK
- Prerequisite:* Architecture 36.
- 38. Advanced Design.**—Extended original problems in design. I, II; (7). Assistant Professor DILLENBACK
- Prerequisite:* Architecture 37.
- 43. Technology of Materials.**—The growth, cutting, seasoning, working, and finishing of woods; structural and decorative properties; detailing various parts on a large scale; floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, interior finish; preparation of working drawings. I; (3). Mr. LANGFORD, Mr. SHELTON
- Prerequisite:* General Engineering Drawing 2; Architecture 31, 32.
- 44. Technology of Materials.**—Materials for stone masonry; their uses, defects, qualities, and preparation; kinds of masonry and external finish; tools for stone cutting; brick masonry, its materials and bonds; terra cotta design, manufacture, and use; columns, beams, girders, and footings; joints and connections. Working drawings. II; (3). Mr. LANGFORD, Mr. SHELTON
- Prerequisite:* General Engineering Drawing 2; Architecture 31, 32, 43.
- 45. Graphic Statics.**—Elementary graphic statics; its application to trussed roofs; steel and masonry arches, domes. The graphical representation of reactions, bending moments, shear and deflection in beams. (For architects.) I; (3). Mr. McANLIS, Mr. EPFS
- Prerequisite:* Theoretical and Applied Mechanics 14, 15, 16.
- 46. Roofs.**—Wooden and steel roofs; determination of section of members; design of joints; mill and steel skeleton construction. II; (3). Mr. McANLIS, Mr. EPFS
- Prerequisite:* Architecture 45.
- 55. Building Sanitation.**—Plumbing, trap ventilation, removal of wastes; water closets; drains and systems of water supply; sewage disposal; water supply and fixtures in dwellings. (For architects.) Recitations; lectures; designs for special problems. II; (1). Mr. O'DONNELL
- Prerequisite:* Physics 9a-9b, 10a-10b; Architecture 43, 44.
- 59. Domestic Architecture.**—(Given in connection with Home Economics 2.) Lectures; criticism. I. Professor NEWCOMB and others

60a. **Special Lectures.**—Special lectures on architectural subjects. (For architects.)
II; (2). Assistant Professor PALMER

Prerequisite: Senior standing.

65-66. **Theory of Architecture.**—Influence of function on architectural form; plan and elevation; problem analysis. Lectures; research; exercises. I, II; (1).

Assistant Professor TITCOMB

Prerequisite: Registration in Architecture 25, 26.

67. **Theory of Form.**—Principles underlying arrangement of form; architectural ornament and composition, proportion and balance. II; (2). Mr. PATTERSON

Prerequisite: Senior standing in architecture.

68. **Specifications.**—General and special clauses and their arrangement; classifying material to facilitate writing specifications; practise in writing several sets; relations of the architect, owner, and builder; office organization; building ordinances; professional ethics. (For architects.) I; (3). Professor PROVINE

Prerequisite: Senior standing in architecture.

97-98. **Thesis.**—I, II; (7).

Assistant Professor DILLENBACK

99. **Inspection Trip.**—I; (no credit.)

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in architecture presupposes the full undergraduate course in that subject. Semi-weekly conferences are held and additional instruction given in all courses as may be required.

101. **Architectural Construction.**—Design of special structures. I, II; ($\frac{1}{2}$ to 1 unit).
Twice a week. Time to be arranged. Professor RICKER, Professor PROVINE

102. **Sanitation of Buildings.**—Planning, design, and installation. I; ($\frac{1}{4}$ to $\frac{1}{2}$ unit).
Twice a week. Time to be arranged. Professor RICKER

103. **Advanced Architectural Graphics.**—I, II; (1 to 2 units). *Twice a week. Time to be arranged.* Professor PROVINE

104. **Architectural Design.**—Advanced course. I, II; (1 to 2 units). *Twice a week. Time to be arranged.*

105. **Architectural Practise.**—Contracts, specifications, and office methods. I; ($\frac{1}{4}$ to $\frac{1}{2}$ unit). *Twice a week. Time to be arranged.* Professor PROVINE

106. **Architectural History.**—Special research. I, II; ($\frac{1}{2}$ to 2 units). *Twice a week. Time to be arranged.* Professor RICKER, Professor NEWCOMB.

B.—ARCHITECTURAL ENGINEERING

33. **Architectural Drawing.**—Lettering; elements of architecture; walls, mouldings, doors, windows, shades and shadows, perspective, the Orders, vaults, roofs, stairs; wash rendering, stereotomy, charcoal drawing from the cast. Lectures and sketching. I; (3). Mr. ARMANTROUT

Prerequisite: General Engineering Drawing 1, or 4, and 2.

34. **Design.**—(Elementary.) Rendered order and sketch problems; library research. II; (3). Mr. ARMANTROUT

Prerequisite: Architectural Engineering 33.

35-36. **Design.**—(Intermediate.) Rendered plan and sketch problems; library research. I, II; (3). Associate Professor DAVISON

Prerequisite: Architectural Engineering 34.

43. **Technology of Materials.**—The growth, cutting, seasoning, working, and finishing of wood; structural and decorative properties; floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, interior finish; preparation of working drawings. (For architectural engineers.) I; (2). Mr. LANGFORD

Prerequisite: General Engineering Drawing 1, 2.

44. **Technology of Materials.**—Materials for stone masonry; their uses, defects, qualities, and preparation; kinds of masonry and external finish; tools for stone cutting; brick masonry; bonds; terra cotta design, manufacture, and use; columns, beams, girders; joints and connections; preparation of working drawings. II; (2). Mr. LANGFORD

Prerequisite: Architectural Engineering 33, 43; General Engineering Drawing 1, 2.

- 45. Graphic Statics.**—Elements, and applications to forces; beams under fixed and moving loads. I; (3). Mr. McANLIS, Mr. MEDER
Prerequisite: Theoretical and Applied Mechanics 20; registration in Theoretical and Applied Mechanics 25.
- 46. Advanced Graphic Statics.**—The analysis of masonry arches, domes, and vaults; large and unusual forms of roof trusses. II; (3). Mr. McANLIS, Mr. MEDER
Prerequisite: Architectural Engineering 45.
- 47. Architectural Engineering.**—Design and working drawings of trusses, members and joints, plate girders, chimneys; investigations of wind bracing. I; (5). Assistant Professor PALMER, Mr. McANLIS
Prerequisite: Theoretical and Applied Mechanics 26; Architectural Engineering 44, 46.
- 48. Architectural Engineering.**—Design and detail of footings; investigation of framed structures; working drawings. II; (5). Assistant Professor PALMER, Mr. McANLIS
Prerequisite: Architectural Engineering 47.
- 57. Fireproof Construction.**—Principles and design of fireproof construction; the advantages of each type. I; (2). Assistant Professor PALMER
Prerequisite: Theoretical and Applied Mechanics 26; Architectural Engineering 44, 46; registration in Architectural Engineering 47.
- 58. Fireproof Construction.**—(Continuation of first semester's work.) Details and working drawings. II; (2). Assistant Professor PALMER
Prerequisite: Architectural Engineering 47, 57; registration in Architectural Engineering 48.
- 67. Building Sanitation.**—Plumbing, trap ventilation, removal of wastes; water closets; drains and systems of water supply; sewage disposal; water supply and fixtures in all types of buildings. (For architectural engineers). Recitations, lectures, and quizzes; designs for special problems. II; (2). Mr. O'DONNELL
Prerequisite: Physics 1a-3a, 1b-3b; Architectural Engineering 43 and 44.
- 68. Estimates and Specifications.**—Methods of estimating, illustrated by problems; a study of specifications, their general and special clauses, relations of architect, owner, and builder. (For architectural engineers.) II; (4). Professor PROVINCE
Prerequisite: Senior standing in architectural engineering.
- 99. Inspection Trip.**—I; (no credit).
Prerequisite: Senior standing.

ART AND DESIGN

Assistant Professors LAKE, BRADBURY; Professor TAFT (non-resident); Miss WETMORE, Mr. NEARPASS, Mr. DONOVAN, Miss ANDERSON.

- 1. Freehand Drawing.**—Drawing in charcoal and pencil; perspective; light, shadow, shade, and reflections in monochrome; graphical representation. I or II; (3). Assistant Professor BRADBURY, Mr. NEARPASS, Mr. DONOVAN, Miss ANDERSON
- 2. Pictorial Composition.**—Line and pattern. Landscape. II; (3). Assistant Professor BRADBURY
Prerequisite: Art and Design 1.
- 3a-3b. Figure Drawing.**—Drawing from posed model, artistic anatomy; proportion, construction, composition and action in the representation of the human figure. I, II; (3). Assistant Professor BRADBURY
Prerequisite: Art and Design 1.
- 4a-4b. Water Color Painting.**—Still-life; flowers and outdoor sketching with application to pictorial and decorative art. I, II; (3). Miss WETMORE
Prerequisite: Art and Design 1.
- 5a-5b. Drawing from Life.**—Monochrome, with application to pictorial and decorative purposes. I, II; (3). Miss WETMORE
Prerequisite: Art and Design 1, 3a.
- 6a-6b. Figure and Portrait Painting.**—Painting in oil and water colors from costumed models; portrait and character study. I, II; (3). Miss WETMORE
Prerequisite: Art and Design 1, 3a, 5a.
- 7a-7b. Still-life in Oil Colors.**—Still-life; flowers and outdoor sketching, with application to pictorial and decorative art. I, II; (3). Miss WETMORE
Prerequisite: Art and Design 1, 2.

8a-8b. Modeling.—Clay modeling of anatomical and decorative forms; plaster molds, and models; sculptural art. I, II; (3). Assistant Professor LAKE

Prerequisite: Art and Design 1.

9a. Course for Teachers.—The planning and execution of work in common school art study for the first six grades; Study of organization, equipment, and the administrative duties of the supervisor. I, (3). Miss ANDERSON

Prerequisite: Art and Design 1, 12.

9b. Course for Teachers.—The planning and execution of work in common school art study for the seventh and eighth grades and the junior and senior high schools; study of organization, equipment, and the administrative duties of the supervisor. II; (3). Miss ANDERSON

Prerequisite: Art and Design 1, 9a, 12.

10. Sketching.—Practise in pen, pencil, wash, charcoal, pastel; technical methods in sketching from still-life, landscape and figure. II; (1). Assistant Professor BRADBURY

Prerequisite: Art and Design 1 and 2 or 3.

12. Design.—Theory of pure design and the effects of material on execution; fitness of various forms of media for various sorts of design; space divisions and space relations; color schemes and exercises; conventionalization of natural forms for various functions; practise in execution. I, II; (2). Assistant Professor LAKE

Prerequisite: Art and Design 1.

14a-14b. Applied Design.—Technic of decorative illustration in black and white and in color applied to posters, covers, book-plates, etc.; processes of reproduction in printing. I, II; (2).

Prerequisite: Art and Design 1, 12.

19. History of Fine Arts.—The periods and styles of the arts of architecture, sculpture, and painting previous to the Italian Renaissance. I; (2). Assistant Professor LAKE

Prerequisite: One year of college work.

20. History of Fine Arts.—The periods and styles of the arts of architecture, sculpture, and painting of the Italian Renaissance and to the present time. II; (2). Assistant Professor LAKE

Prerequisite: One year of College work.

Summer Session Courses

S1. Elementary Art.—Form drawing from still-life, cast, and nature; outline and shading in charcoal; lectures on perspective. (2). Assistant Professor LAKE

S9. Art for the Common Schools.—The planning and execution of work in common school art study; blackboard drawing. Lectures on organization, equipment, and the administrative side of the supervisor's work. (2). Assistant Professor LAKE

S20. History of Fine Arts.—Equivalent to course 20. Assistant Professor LAKE

ASSYRIAN

(See ORIENTAL LANGUAGES AND LITERATURE)

ASTRONOMY

Dr. WYLIE

No major for undergraduates is offered in astronomy. Students may well make mathematics or physics their major, and take Astronomy 7, 8, 14, and 15 as a minor.

Courses for Undergraduates

1. Elementary Astronomy.—Lectures; recitations; one evening a week at the observatory. I, (3). Dr. WYLIE

Prerequisite: Mathematics 4.

2. General Astronomy.—Continuation of course 1, with observational practise; one evening a week at the observatory. II; (3). Dr. WYLIE

Prerequisite: Astronomy 1.

[6. Navigation.—Piloting, dead reckoning, longitude and latitude by astronomical observations; use of compass and sextant. II; (3). Not given 1922-1923.

Prerequisite: Mathematics 4, sophomore standing.]

For Advanced Undergraduates and Graduates

7-8. Theoretical Astronomy.—Celestial mechanics; theory of orbits; perturbations. I, II. Dr. WYLIE

Prerequisite: Mathematics 9.

14. Observational Astronomy.—The working methods of an astronomical observatory; individual problems. II; (3). Dr. WYLIE

Prerequisite: Astronomy 15.

15. Geodetic Astronomy.—The sextant, transit, and zenith telescope; methods similar to those of the United States Coast and Geodetic Survey. I; (3). Dr. WYLIE

Prerequisite: Mathematics 7.

Courses for Graduates

[101. Seminar.—*Three times a week*; I, II; (1 unit). Not given 1922-1923.]

[102. Stellar Astronomy.—Orbits of binary stars; variable stars; theoretical photometry. *Three times a week*; I, II; (1 unit). Not given 1922-1923.]

ATHLETIC COACHING AND PHYSICAL EDUCATION

Director HUFF; Professor ZUPPKE; Assistant Professor LUNDGREN; Mr. GILL, Mr. BEARG, Mr. STALEY, Mr. INGWERSEN, Mr. RUBY, Mr. MANLEY, Mr. BULLOCK, Mr. WAGNER, Mr. SMITH, Mr. PITTSER, Mr. PREHN.

2. Tactics and Gymnastic Dancing.—II; (2). Mr. STALEY

3. Calisthenics.—II; (2). Mr. STALEY

5. Physical Diagnosis.—Elementary Physical diagnosis. II; (3).

7. Boxing.—I; (1). Mr. PREHN

8. Wrestling.—I, II; (1). Mr. PREHN

9. Elementary Orthopedics.—Deformities, their causes, prevention and treatment. II; (3).

Prerequisite: Athletic Coaching 12, 13, 14.

15. Playground Instruction.—II; (3). Mr. STALEY

Prerequisite: Athletic Coaching 6.

16. Training and First Aid.—II; (2). Mr. BULLOCK

Prerequisite: Athletic Coaching 12, 13, 14.

17. Organization and Administration of Physical Education.—I; (2). Mr. BEARG

Prerequisite: 5 hours credit in Athletic Coaching.

20. Field and Track Athletics.—I; (2). Mr. GILL

21. Field and Track Athletics.—Continuation of Athletic Coaching 20. II; (2).

Mr. GILL

Prerequisite: Athletic Coaching 20.

30. Football.—Fundamental Football. I, II; (2). Mr. SMITH, Mr. PITTSER

31. Football.—Continuation of Athletic Coaching 30. I, (2).

Mr. BEARG, Mr. INGWERSEN

Prerequisite: Athletic Coaching 30.

32. Football.—The theory and art of coaching football. II; (2).

Professor ZUPPKE

Prerequisite: Athletic Coaching 30, 31.

40. Basketball.—II; (2). Mr. SMITH, Mr. PITTSER

41. Basketball.—Continuation of Athletic Coaching 40. Mr. RUBY

Prerequisite: Athletic Coaching 40.

50. Baseball.—I, II; (4) Director HUFF, Assistant Professor LUNDGREN

60. Swimming.—II; (2). Mr. MANLEY

Summer Session Courses

S10a. Baseball Theory.	Director HUFF, Assistant Professor LUNDGREN
S10b. Baseball Practise.	Assistant Professor LUNDGREN
S11a. Track and Field Theory. (1).	Mr. GILL
S11b. Track and Field Practise.	Mr. GILL
S12a. Basketball Theory. (1).	Mr. WINTERS, Mr. BEARG
S12b. Basketball Practise.	Mr. WINTERS, Mr. BEARG, Mr. INGWERSEN
S13a. Football Theory.	Professor ZUPPKE
S13b. Football Practise.	Mr. BEARG, Mr. INGWERSEN
S14. Training.	Mr. BULLOCK
S15. Calisthenics. ($\frac{1}{2}$).	Mr. STALEY
S16. Mass Physical Activities. ($\frac{1}{2}$).	Mr. STALEY
S17. Gymnastics. ($\frac{1}{2}$).	Mr. WAGNER
S19. Organization and Administration. (1).	Mr. GRIFFITH
S21. Gymnastic Dancing. (1).	Mr. WAGNER
S22. Theories and Systems of Physical Training. (1).	Mr. STALEY
S24. Swimming.	Mr. BROWN

BACTERIOLOGY

Associate Professor TANNER; Mr. THOMPSON, Mrs. MILLER

Major: 20 hours chosen from the courses offered by this department. Five hours may be chosen from the following courses offered by other departments: dairy husbandry (dairy bacteriology), and agronomy (soil biology).

Minors: 20 hours chosen from two of the following: chemistry, botany, zoology, physiology.

The prerequisite for graduate work in the department of bacteriology is 10 semester hours of bacteriology and 15 semester hours of some physical or biological science. Certain courses in the departments of agronomy, botany, chemistry, and dairy husbandry are required of students who are candidates for the doctor's degree. The attention of students is called to the courses in applied bacteriology offered by these departments since they form an integral part of the instruction in bacteriology offered at the University of Illinois.

Courses for Undergraduates

5a. Introductory Bacteriology and Sanitary Science. Lectures.—Assigned readings, demonstrations, and recitations on bacteria, yeasts, and molds; structure morphology, and systematic relationships; their significance in general sanitation, agriculture, home economics, communicable diseases, etc. (For those who wish an insight into matters of every day importance such as sterilization, disinfection, food poisoning, etc.). Designed to accompany Bacteriology 5b, but may be elected without it. (Not open to students who have taken Bacteriology 2). I or II; (3).

Prerequisite: Sophomore standing; one semester of chemistry or consent of the instructor.

5b. Introductory Bacteriology. Laboratory.—Bacteriological technic; study of morphology and physiology of bacteria and certain related microorganisms; preparation of media and apparatus; staining; cultivation, etc. Designed to accompany Bacteriology 5a. I or II; (2).

Prerequisite: Bacteriology 5a or concurrent registration in it; chemistry 2a, 3a, or 4.

6. Bacteriology for Sanitary Engineers.—Bacteriological and microscopical methods applied to the examination of water and sewage. Theories and methods of filtration, sterilization, and filter control. I; (2½).

Prerequisite: Chemistry 10b.

Mr. THOMPSON

Courses for Advanced Undergraduates and Graduates

7. Theses and Special Problems.—Review of the literature and laboratory work on a special assigned subject. I, II; (2-3).

Prerequisite: Junior standing, 10 hours of bacteriology or consent of the instructor.

Associate Professor TANNER

8. Food Bacteriology.—Decay of organic matter in nature; soil and sewage bacteria; water bacteria; foods; food poisoning; laboratory lectures; discussions; assigned readings and reports. II; (5). Associate Professor TANNER and Mrs. MILLER

Prerequisite: Junior standing, Bacteriology 5a and 5b, or their equivalents; and the consent of the instructor.

10. Epidemiology.—The ways in which communicable diseases are spread; methods of control; lectures, assigned reading, special problems. I; (2).

Associate Professor TANNER

Prerequisite: Junior standing; Bacteriology 5a and 5b; consent of the instructor.

18a-18b. Journal Meeting.—Required of all students who major in bacteriology. I, II; (1). Associate Professor TANNER

Prerequisite: Junior standing; 5 hours of bacteriology.

20. General Bacteriology.—(For advanced undergraduates and graduates). Laboratory methods; technic of cultivation; study of morphology and physiological activities. Laboratory, lectures, assigned readings, reports. I; (5).

Associate Professor TANNER and Mr. THOMPSON

Prerequisite: Two years of college chemistry; senior standing; consent of the instructor.

26. Pathological Bacteriology.—Cultural and morphological studies of disease producing organisms. Recommended that students who take this laboratory course elect Bacteriology 10 at the same time. I; (3).

Associate Professor TANNER and Mr. THOMPSON

Prerequisite: Bacteriology 5a and 5b; Junior standing and consent of the instructor.

Courses for Graduates

103. Physiology of Bacteria.—Fermentation; growth and death; lectures, assigned readings and reports. I; (1 unit.) Associate Professor TANNER

105. A continuation of Bacteriology 103 with special emphasis on classification; variability of species, characters; mutation; life cycles; standard and biometrical classification; the large groups. II; (1 unit). Associate Professor TANNER

107. Research in Bacteriology.—This course is intended for those who are taking a major in bacteriology either for the Master's or Doctor's degree. I or II; (1 to 4 units).

Summer Session Courses

NOTE.—The courses offered in the Summer Session are equivalent to courses of the same numbers given during the academic year and have the same prerequisites.

Courses for Undergraduates and Graduates

S5a. Introductory Bacteriology and Sanitary Science. Associate Professor TANNER

S5b. Introductory Bacteriology, Laboratory. Mr. THOMPSON

S7-S107. Research. Associate Professor TANNER

BANKING

(See ECONOMICS).

BIOLOGY

(See BOTANY, ENTOMOLOGY, PHYSIOLOGY, AND ZOOLOGY).

BOTANY

Professors TRELEASE, HOTTES, STEVENS; Assistant Professor McDougall; Dr. HAGUE, Mr. WOODARD, Mr. MENDOZA, Mr. PLUNKETT, Mr. ABBOTT, Miss DOWELL, Miss PLEASANTS, Miss RYAN, Miss FREEMAN, Miss FUHR, Miss BUNTING, Mr. YOUNG, Mr. DIXON, Mr. BLAIN, Mr. STARK, Mr. HAFENRICHTER.

Major: 20 hours exclusive of Botany 1 and 4, preferably made up of courses grouped along one of six lines, according to the suggestions given below.

Minor: 20 hours chosen from chemistry, entomology, geology, physics, physiology, and zoology, in consultation with the department of botany. At least eight hours must be offered in one subject.

Courses offered are of four types; the first intended to meet the needs of beginners; the second laying a foundation for methods of accuracy in observation, manipulation, and experimentation through the study of some fundamentally important subdivision of the science; the third giving practise in methods of investigation by the study of advanced problems varied to suit the needs and interests of the student; and the fourth teaching independent research by means of thesis subjects leading to the discovery of new facts or laws.

The work of any semester may be credited separately except when a problem is left incomplete in one of the courses open to graduates.

For the convenience of undergraduates in the College of Liberal Arts and Sciences who elect major work in botany the following combination of courses are suggested:—(a) General; 2a, 4a, 23, 27a, and 27b; (b) Specializing in morphology; 2a, 2b, 3a, 4a or 24, and 29; (c) Specializing in pathology; 2a or 3a, 7a, 7b, 28a or 28b, 4a or 17a-17b; (d) Specializing in physiology; 3a, 27a-27b, 9a or 9b; (e) Specializing in taxonomy; 2a, 4a, 16b, or 17a-17b, or 26, or 28a-28b; (f) Specializing in ecology; 4a, 23, 24, 25a-25b, and 27a.

Students taking botany as a foundation for agronomy or horticulture are advised to select courses 27a, 4a, 7a, and advanced work on some special topic or topics under courses 7b, 9, 17a-17b, or 22b. Students who expect to teach botany are advised to elect 2a, 4a, 23, 27a, 30, and advanced work in one or more of the special courses 9a-9b, 16b, 17a-17b, or 25a-25b.

The prerequisite for major work in botany in the Graduate School is 20 semester hours in botany or 15 hours in botany plus 5 hours in zoology or entomology.

Courses for Undergraduates

1. General Botany.—The structure, physiology, natural history, and uses of plants. Lectures, quiz, laboratory. I or II; (5).

Professor TRELEASE; Assistant Professor McDougall, Mr. Woodard, and assistants

2a. Morphology of Thallophytes and Bryophytes.—Comparative laboratory study of types of the lower plants.

This and the following course are intended to give personal acquaintance with the vegetable kingdom through the study of living types selected so as to present in natural sequence the increasing complexity of structure and function which marks evolutionary development. I; (5).

Dr. HAGUE

Prerequisite: Botany 1.

2b. Morphology of Cormophytes.—Comparative laboratory study of selected types of the higher plants. II; (5).

Dr. HAGUE

Prerequisite: Botany 1.

4. The Local Flora.—Morphology, identification, and classification of wild plants. A laboratory and field course for students desiring personal acquaintance with the plants of Illinois, and especially for those qualifying as teachers in the public schools. II; (3).

Dr. HAGUE

Prerequisite: Entrance botany or its equivalent.

4a. Taxonomy of Cormophytes.—Structure, identification, and classification of higher plants. Laboratory studies chiefly of flowering plants. II; (3). Professor TRELEASE

Prerequisite: Botany 1.

4d. Trees and Shrubs of the Campus.—The woody plants most used for decorative purposes. I; (3).

Professor TRELEASE

Prerequisite: Botany 1.

7a1-7a2. Plant Pathology.—Causal agents, symptoms, diagnosis, and treatment. I, II; (3).

Professor STEVENS

Prerequisite: Botany 1.

23. Plant Ecology.—The life of plants in their natural habitats, in relation to environment, to animals, and to each other. Lectures; laboratory; field work. II; (3).

Assistant Professor McDOUGALL

Prerequisite: Botany 1.

24. Mushrooms.—Structure, identification, classification, and ecological relations. Special attention is given to edible and poisonous mushrooms. Lectures; laboratory; field work. I; (3).

Assistant Professor McDOUGALL

Prerequisite: Botany 1.

27a. Plant Physiology.—The absorption of materials from the external world and their transformation within the organism; the production and use of food. I; (5).

Professor HOTTES

Prerequisite: Botany 1.

27b. Plant Physiology.—The response of the plant to external stimuli. II; (3).

Professor HOTTES

Prerequisite: Botany 1.

30. Methods of Teaching.—Participation in elementary laboratory instruction and in conferences of department staff; seminar. I; (2).

Assistant Professor McDOUGALL, Mr. WOODARD

Prerequisite: 15 hours of botany; senior standing.

Courses for Advanced Undergraduates and Graduates

Candidates for advanced degrees in botany must offer for admission to the graduate courses 20 hours of college work in botany or else 15 hours in botany plus 5 hours in zoology or entomology or bacteriology.

Graduate students who elect botany for minor credit must meet the prerequisite for courses which they take for graduate credit.

9a-9b. Plant Anatomy or Physiology.—Problems for those specializing either in anatomy with technic, or in physiology, or in the application of these to plant breeding, crop production, and forestry. I, II; (3 to 5).¹

Professor HOTTES

Prerequisite: 10 hours of botany, including Botany 27a or 27b; junior standing.

16a. Taxonomy and Morphology of Algae and Bryophytes.—Advanced practise on selected groups. II; (3 to 5).¹

Dr. HAGUE

Prerequisite: 10 hours of botany, including 2a or 4b; junior standing. For graduate students in chemistry, 5 hours of biology and 10 hours of physical science, including manipulation of instruments, or 15 hours of physical science.

17a-17b. Taxonomy of Cormophytes.—Advanced practise on selected taxonomic or economic groups; genera or families of Illinois plants, or plants economically important as weeds, forest resources, adjuncts to medicine, farm, orchard, or garden crops, or as the basis of floriculture, landscape architecture, street shading, or other decorative planting. I, II; (3 to 5).¹

Professor TRELEASE

Prerequisite: 10 hours of botany, including 4a; junior standing.

22a. Morbid Histology.—The parasites of plant tissues and their histology in condition of disease. I; (3 to 5).¹

Professor STEVENS

Prerequisite: Botany 3a and 7a; junior standing.

22b. Groups of Fungi and Crop Disease.—II; (3 to 5).¹

Professor STEVENS

Prerequisite: 10 hours of botany, including 7a; junior standing.

25a-25b. Plant Ecology.—Advanced studies in the ecology of plants or of plant communities. I, II; (3 to 5).¹

Assistant Professor McDOUGALL

Prerequisite: Botany 23 and 27a; junior standing.

[26. Taxonomy and Ecology of the Higher Fungi.—Collection and identification. Lectures on classification and ecology. II; (3). Given in alternate years. Not given in 1922-1923.

Assistant Professor McDOUGALL

Prerequisite: 10 hours of botany, including 7a; junior standing.

28a-28b. Taxonomy of Economic Fungi.—Advanced practise on selected groups of parasitic fungi. I, II; (3 to 5).¹

Professor STEVENS

Prerequisite: 10 hours of Botany including 7a or 24; junior standing.]

¹In registering for a course with variable credit hours, a student must put down on his study list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

29a. Comparative Morphology of Pteridophytes, Gymnosperms, and Angiosperms.—I; (3). Dr. HAGUE

Prerequisite: 10 hours of botany, including 2b or 4a; junior standing.

31a-31b. Thesis Course.—I, II; (2). Arrange with appropriate member of the department.

Prerequisite: 15 hours of botany.

32a-32b. Honors Course.—I, II; (2). Arrange with appropriate member of the department.

Prerequisite: 15 hours of botany.

Courses for Graduates

101. Individual Plant Development.—The influence of external agents on the cell. Special subjects for investigation are assigned on consultation. Reports and discussions of current literature and research results. I, II; ($\frac{1}{2}$ to 2 units). Professor HOTTES

102. Physiology.—The effects of external stimuli on growth and movement. Special subjects for investigation are assigned on consultation. Reports and discussions of current literature and research results. I, II; ($\frac{1}{2}$ to 2 units). Professor HOTTES

103. Methods in Plant Pathology.—Critical review of the methods employed in the study of plant diseases. II; ($\frac{1}{4}$ - $\frac{1}{2}$ unit). Professor STEVENS

104. Mycology.—Fungi. Individual assignments of subjects and problems in field and laboratory. I, II; ($\frac{1}{2}$ to 2 units). Professor STEVENS

106. Plant Pathology.—Diseases of plants, and disease agents. Special subjects are assigned upon consultation. I, II; ($\frac{1}{2}$ to 2 units). Professor STEVENS

[107. History of Botany.—A conference course with lectures and reading. I; ($\frac{1}{2}$ unit). Given in alternate years. Not given in 1922-1923. Professor TRELEASE]

108. Taxonomy.—Monographic studies of critical groups. I, II; ($\frac{1}{2}$ to 2 units). Professor TRELEASE

109. Ecology.—The interrelations of plants with their environment. Individual subjects for investigation. I, II; ($\frac{1}{2}$ to 2 units). Assistant Professor McDougall

110. Current Botanical Literature.—Weekly review. (Required of graduate students whose major is botany). I, II; ($\frac{1}{4}$ unit). The Staff

Summer Session Courses

(For description of courses, wholly or in part, see corresponding numbers in the description of courses in the regular session).

Courses for Undergraduates

S1. General Botany.—(4). Assistant Professor McDougall

S27a. Plant Physiology.—(4). Professor HOTTES

Courses for Advanced Undergraduates and Graduates

S9b. Plant Physiology.—(2 to 4). Professor HOTTES

S25. Plant Ecology.—(2 to 4). Assistant Professor McDougall

Courses for Graduates

S102. Plant Physiology.—($\frac{1}{2}$ to 2 units). Professor HOTTES

S109. Plant Ecology.—($\frac{1}{2}$ to 2 units). Assistant Professor McDougall

BUSINESS LAW

(See BUSINESS ORGANIZATION AND OPERATION)

BUSINESS ORGANIZATION AND OPERATION

(INCLUDING ACCOUNTANCY AND BUSINESS LAW)

Professors SCOVILL, MOREY; Associate Professors FILBEY, RUSSELL; Assistant Professors LITTLETON, BAUER, BAILY; Mrs. SAUNDERS, Dr. DILLAVOU, Mr. SCHLATTER, Mr. ANDERSON, Mr. DAVIDSON, Mr. HAM, Mr. BEACH, Mr. TAYLOR, Mr. CRABB, Mr. MCINTYRE, Mr. BEHRENS, Mr. COPE, Mr. JONES, Mr. ROWATT, Mr. GAST, Mr. GRAY, Mr. POWELL, Mr. BEATTY, Mr. GORE, Mr. WINTER, Mr. WAGNER, Mr. SIEFERMAN, Mr. FILUT, Mr. WOOLLEY, Mr. BUCHAN, Mr. MARPLE, Mr. LYTTLE, *Cooperating:* Director CUNNINGHAM.

A. ACCOUNTANCY

Courses for Undergraduates

1a-1b. Principles of Accounting.—Accounting and bookkeeping; double entry; fundamental accounts and books. *Students who present one unit of bookkeeping for entrance will not be allowed credit for 1a and should register in 1e.* Except in case of such students, credit is not given for either 1a or 1b separately. I, II; (3).

Assistant Professor BAILY, Mr. SCHLATTER, Mr. HAM, and assistants

1e. Principles of Accounting.—Similar to Accountancy 1b, preceded by a review of Accountancy 1a, offered for the benefit of those who present one unit of entrance credit in bookkeeping. I or II; (4).

Assistant Professor BAILY and others

Prerequisite: One unit of entrance credit in bookkeeping.

2a-2b. Intermediate Accounting.—Fundamentals of cost accounting, theory of partnership and corporation accounts, depreciation, goodwill, reserves, and sinking funds; special financial statements, reading balance sheets, illustrative problems. I, II; (3).

Associate Professor FILBEY, Mr. SCHLATTER, Mr. HAM, and assistants

Prerequisite: Accountancy 1b or 1e; registration or credit in Economics 1. (Accountancy 2a may be taken without 2b.)

11. Farm Accounting.—The principles of accounting and distribution of costs as applied to farm operations. I or II; (4).

Mr. SCHLATTER

Prerequisite: Open only to students in agriculture who have had Economics 1 or 2.

Courses for Advanced Undergraduates and Graduates

3a-3b. Advanced Accounting and Auditing.—Advanced theory, consolidated balance sheets; liquidation; the auditor's duties; schedules and reports. I, II; (3).

Professor SCOVILL, Associate Professor FILBEY, Assistant Professors LITTLETON, BAILY

Prerequisite: Accountancy 2a-2b; Economics 3, and average of C or better in Accountancy 1 and 2. (Accountancy 3a may be taken without 3b.)

4a-4b. Cost Accounting and Systems.—First Semester: (a) Cost accounting applied to factory procedure, overhead expense, the installation and control of cost systems, presentation of cost data; (b) as a basis for manufacturing efficiency; (c) the construction of cost systems. Second Semester: Systems of various specialized businesses as banks, building and loan associations, insurance companies, brokers, and the several types of public utility corporations. The work of either semester may be taken separately. I, II; (2).

Assistant Professor BAILY, Mr. SCHLATTER

Prerequisite: Accountancy 2a-2b.

5a-5b. C. P. A. Problems.—Representative problems of various types, including questions on theory and auditing. I, II; (3).

Professor SCOVILL

Prerequisite: Accountancy 3a-3b.

13. Governmental Accounting.—Accounts and systems of institutions and municipalities, and of the State and Federal governments. Organization; procedure; budget, accounts and records, reports, audits; purchasing and storekeeping; training for Federal Service. I, or II; (2).

Professor MOREY

Prerequisite: Credit or concurrent registration in Accountancy 3a.

20. Income Tax Procedure.—Application of the requirements of the Federal income, excess-profits and war-profits taxes. II; (2).

Associate Professor FILBEY

Prerequisite: Registration or credit in Accountancy 3b; senior standing.

Courses for Graduates

The courses for graduates only may be selected by those who have had approximately 15 university accounting credits including Accountancy 3a or its equivalent. Accountancy 4a is a prerequisite for 104; 3b for 110; 13 for 113; and 20 for 120.

103. Advanced Theory.—The most prominent accounting theories analyzed and their historical development studied with reference to the requirements of economic principles and business activities. I, II; (1 unit).

Assistant Professor LITTLETON

104. Accounting Systems.—Analysis of operations of industrial and mercantile enterprises of various types and the designing of adequate accounting systems therefor. Uniform Accounting Systems. I, II; (1 unit).

Professor SCOVILL

110. Accounting Reports.—Methods of presenting reports of audits, investigations, and operations. Interpretation of accounting data. II; (1 unit).

[113. Governmental Accounting.—A study of the requirements of accounting for federal, state, municipal, and institutional bodies. II; (1 unit). Not given in 1922-1923.

120. Income Tax Development.—A comparative study of the accounting features of the income tax acts of England, the United States, and of the several states. Accounting intricacies of the present federal act. I; (1 unit).

129. Thesis.—I, II; (1 unit). Members of the staff.

Summer Session Courses

Courses for Undergraduates

S1b. Principles of Accounting.—(3).

Mr. TAYLOR

Equivalent: 1b.

Prerequisite: Accountancy 1a or a similar course.

S2a.-2b. Intermediate Accounting.—(6). Assistant Professor LITTLETON, Mr. FJELD

Equivalent: 2a-2b.

Prerequisite: Accountancy 1b or 1c; registration or credit in Economics 1.

Courses for Graduates

S110. Accounting Reports.—(1 unit).

Professor SCOVILL

Equivalent: 110.

S129. Thesis.—(1 unit).

Professor SCOVILL

Equivalent: 129.

B. BUSINESS ORGANIZATION AND OPERATION

Courses for Undergraduates

1. Business Organization and Operation.—Individual proprietorship, partnership, and corporation; the process of organizing a business; organization for operation and the reaction of form of organization on efficiency; graduation and interrelation of divisions and departments; departmental responsibility and authority, routine, and discipline. I or II; (3).

Mr. BEHRENS and others

Prerequisite: Economics 1; Accountancy 1b or 1c.

2. Marketing Organization and Operation.—Methods and problems involved in marketing raw materials and manufactured products. I or II; (3).

Mr. MCINTYRE and others

Prerequisite: Business Organization and Operation 1.

7. Salesmanship.—Policies and practise of modern sales organizations; selling problems of manufacturers, wholesalers, and retailers, management of salesmen; the practise of individual salesmen. I or II; (2).

Associate Professor RUSSELL

Prerequisite: Business Organization and Operation 2; senior standing.

8. Advertising.—Principles of current practise; cooperation of advertising and personal selling; special problems; planning sales campaigns; choice of media; space buying; and practise in writing copy. I or II; (2).

Mr. COPE

Prerequisite: Business Organization and Operation 2; senior standing.

9. Civic and Commercial Organizations.—Their place and importance in the community; their relationship to the business men and the general public with emphasis upon the duties of the commercial organization secretary. II; (2).

Prerequisite: Business Organization and Operation 2; senior standing.

10. Newspaper Advertising.—Designed primarily for students specializing in journalism. Organization and operation of newspaper advertising department; methods of obtaining and handling advertising; the newspaper as an advertising medium. II; (3).

For Business Correspondence see Rhetoric 10.

Mrs. SAUNDERS

Prerequisite: Journalism 1 and 2.

30. **Typography and Printing.**—(1) Introduction to History; (2) Type; (3) Paper; (4) Ink; (5) Processes; (6) Machinery and utensils; (7) Format. I; (1).
Director CUNNINGHAM

Prerequisite: Business Organization and Operation 2; and the consent of the instructor.

Courses for Graduates and Advanced Undergraduates

3. **Retail and Wholesale Store Organization and Operation.**—Location, layout, financing, buying, systems and records, personnel policies. I or II; (3). Mr. BEHRENS

Prerequisite: Business Organization and Operation 2.

4. **Industrial Organization and Management.**—Problems of organization and of administrative policy; supervision and management of industries and industrial units. I or II; (3). Mr. ANDERSON

Prerequisite: Business Organization and Operation 2. Senior engineering students who have had Economics 1 or 2 may be admitted by permission of the instructor.

Courses for Graduates

To register in the graduate courses one must have had at least five semester hours' credit in the principles of economics; also courses in Business Organization and Operation 1 and 2 or the equivalent. Business Organization and Operation 2 is a prerequisite for 102.

101. **Marketing Policies and Problems.**—Federal, state, and local regulation of mercantile business; unfair competition; trade agreements; trade marks; inspection of mercantile establishments; pure food acts; control over weights and measures, packing, storage, and shipment. I, II; (1 unit). Associate Professor RUSSELL

[102. **Scientific Management.**—The history of the scientific management movement; critical study of the proposed systems. I, II; (1 unit). Not given, 1922-1923.]

129. **Thesis.**—Time to be arranged. I, II; (1 unit).

Associate Professor RUSSELL

Summer Session

Courses for Undergraduates

- S1. **Business Organization and Operation.**—Equivalent: Business Organization and Operation 1. (3). Mr. HAM

Prerequisite: Economics 1 and Accountancy 1b or 1e.

- S2. **Marketing Organization and Operation.**—Equivalent: Business Organization and Operation 2. (3). Mr. MCINTYRE

Prerequisite: Business Organization and Operation 1.

Courses for Graduates

- S129. **Thesis.**—(1 unit).

Equivalent: 129.

Professor SCOVILL

C. BUSINESS LAW

Courses for Undergraduates

- 1a-1b. **General Principles of Business Law.**—Principles underlying the law of contracts, agency, sales of personal property, negotiable instruments, partnerships and business corporations. I, II; (3). Assistant Professor BAUER, Dr. DILLAVOU, Mr. DAVIDSON

Prerequisite: Sixty hours of university credit, including Economics 1 and Accounting 1b or 1e.

2. **Law for Agricultural Students.**—Contracts, leases, property. Open only to students in agriculture who have credit in Economics 1 or 2. I or II; (3). Mr. DAVIDSON

3. **Law for Engineering Students.**—Contracts, negotiable instruments, insurance, real property, landlord and tenant. Open only to students in engineering who have credit in Economics 1 or 2. II; (3). Dr. DILLAVOU

For Graduates and Advanced Undergraduates

10. Law of Security Relations and Banking.—Suretyship; mortgages; pledges; personal property; real property; insurance; bankruptcy; banking, Federal Reserve Board. I or II; (2). Assistant Professor BAUER

Prerequisite: Business Law 1a-1b.

Summer Session

S2. Commercial Law.—Equivalent, Business Law 2. (2½).

Prerequisite: Economics 1 or 2.

CERAMIC ENGINEERING

Professor PARMELEE; Associate Professor HURSH; Dr. BUNTING, Mr. McVAY, Mr. BOURNE.

The courses offered by the department of ceramic engineering are designed to give a technical knowledge of the composition and properties of materials used in the manufacture of clay wares, abrasives, cements, glasses, and enamels, and to acquaint the student with the construction, equipment, and operation of ceramic plants.

Graduates of courses other than ceramic engineering who have the necessary prerequisites may take the following courses for minor credit: 3, 4c, 5, 6, 8, 10, 13, 15, 16, 19, 20, and 21.

Courses for Undergraduates

1. Ceramic Materials.—The properties of clays and other ceramic materials; the identification of the varieties met in practical work. Lectures; laboratory. I; (3).

Professor PARMELEE, Mr. McVAY

Prerequisite: Chemistry 4.

2. Winning and Preparation of Clays.—Machinery and processes used in preparing clay for market or manufacture; comparative costs of the different methods. II; (3).

Mr. McVAY

Prerequisite: Ceramic Engineering 1.

3. Industrial Calculations.—Chemical and physical calculations applying to the operation of furnaces, kilns, and dryers, temperature measurements. II; (3).

Associate Professor HURSH

Prerequisite: Ceramic Engineering 1; Physics 1a-1b and 3a-3b.

4c. Drying and Burning.—The chemical and physical processes involved and types of equipment used in drying and burning ceramic products. I; (5).

Associate Professor HURSH

Prerequisite: Ceramic Engineering 1, 3.

5. Ceramic Bodies.—Composition and properties of ceramic body mixtures; effects of various ingredients; development of special bodies. Lectures; laboratory. II; (5).

Professor PARMELEE, Mr. McVAY

Prerequisite: Ceramic Engineering 1, 2.

6. Glazes.—The various classes of glazes and enamels; the composition, limits, properties, and defects. Lectures; laboratory. I; (6). Professor PARMELEE, Mr. McVAY

Prerequisite: Ceramic Engineering 3, 5.

8. Glass Technology.—The chemistry and physics of the silicate glasses and their preparation. Industrial methods. Lectures, assigned reading, discussion. II; (2).

Prerequisite: Chemistry 31.

9. Ceramic Construction.—Plans, specifications, and estimates for ceramic equipment and industrial plants. II; (4). Associate Professor HURSH

Prerequisite: General Engineering Drawing 1 or 4; Ceramic Engineering 3, 4c.

10. Cements.—Cements, limes, plasters; composition, reactions; methods of manufacture and testing. I; (3). Mr. McVAY

Prerequisite: Ceramic Engineering 1, 2, 3.

- 97 or 98. Thesis.—II; (3 or 5). Professor PARMELEE, Associate Professor HURSH
12. Designing and Shaping.—Die construction, templates, master and working molds for pressing, casting, and jigging. I; (3). Associate Professor HURSH, Mr. BOURNE
Prerequisite: Ceramic Engineering 1, 2.
13. Cement Laboratory.—The preparation of silicate cements and the study of their properties. II; (3). Mr. McVAY
Prerequisite: Ceramic Engineering 10.
15. Glass Laboratory.—Soda-lime, potash-lime, lead, barium and zinc silicates; borosilicates; properties of fused and solidified glasses; practical glass problems. II; (3).
Prerequisite: Registration in Ceramic Engineering 8.
16. Enamels.—The various types of enamels, their composition, application, properties, and testing. Lectures; laboratory. II; (3). Professor PARMELEE
Prerequisite: Ceramic Engineering 6.
- 17a. Selected Ceramic Problems.—Lectures; discussions; assigned reading. I; (1). Dr. BUNTING
Prerequisite: Ceramic Engineering 1, 3, or equivalent; Mathematics 8 or 7 or 9; Registration in Chemistry 31.
19. Special Bodies.—An intensive study of body preparation; the composition, preparation, properties, uses and testing of selected types of bodies. Lectures; assigned reading; laboratory. II; (3). Professor PARMELEE
Prerequisite: Ceramic Engineering 5.
20. Refractory Materials.—The properties and uses of refractory materials employed in the industries; relation between refractory power, chemical composition and physical condition; changes undergone by refractory materials at high temperatures. The subject will be presented as far as possible from the standpoint of the Phase Rule. Lectures; discussions; assigned reading. II; (2). Associate Professor HURSH
Prerequisite: Chemistry 31.
21. Ceramic Pyrometry.—Types of pyrometers, calibration, care, repair, and use. Theory of high temperature measurement. II; (1).
Prerequisite: General physics, inorganic chemistry.
99. Inspection Trip.—Visits to industrial plants representative of various phases of ceramic work. I; (*no credit*).
Prerequisite: Senior standing.

Courses for Graduates

Graduate work leading to the degrees of Master of Science and Doctor of Philosophy in chemistry (ceramic chemistry) and Master of Science in ceramic engineering is offered by the department. Students who have specialized in chemistry, chemical engineering, or ceramic engineering during their undergraduate work will ordinarily be qualified to enter on graduate work leading to higher degrees in ceramic chemistry, while students who have specialized in mechanical engineering, ceramic engineering, or chemical engineering in their undergraduate work will ordinarily be qualified to pursue graduate work leading to the higher degree in ceramic engineering. Graduate students who wish to elect ceramic chemistry as their major field of study must have had the equivalent of twenty-five semester hours of chemistry and this must include satisfactory courses in general chemistry, qualitative and quantitative analysis, and either physical or organic chemistry. Such students must also have had at least one year of college physics and training in mathematics which includes calculus.

Candidates for the degree of Doctor of Philosophy with their major field of study in ceramic chemistry must fulfill the same general requirements in chemistry as candidates in other branches of chemistry. Before receiving the degree of Doctor of Philosophy, all such candidates must demonstrate their ability to read French and German literature in their major subject.

101. The Chemistry of the Compounds of Silicon.—Seminar. *Twice a week; I, II; (¾ unit).*
Prerequisite: Elementary courses in organic and physical chemistry.

102. General Technology of the Clay Industries.—An advanced course dealing with the physical properties of ceramic materials and products in the light of their dependence upon chemical composition, mineralogical constitution, and physical condition. Lectures; seminar, and laboratory. I, II; (1 or 2 units). Professor PARMELEE

Prerequisite: The elements of mineralogy and of physical chemistry.

103. Silicon Chemistry.—A laboratory course to supplement Ceramic Engineering 101, which must precede or accompany it. II; (1 or 2 units).

105. Technology of Glass.—Glassy silicates; limiting composition; physical and chemical properties of glass and the dependence of these properties upon composition. Lectures and laboratory. (1 or 2 units). Professor PARMELEE

CHEMISTRY

Professors NOYES, PARR, ADAMS, ROSE; Associate Professors HOPKINS, BEAL, BUSWELL, RODEBUSH; Assistant Professors REEDY, BRALEY, DIETRICHSON, KREMERS, LAYNG, ENGLISH; Dr. PARR, Dr. MARVEL, Dr. CARVER, Dr. HURD, Dr. SOUTHER, Dr. NASON, Dr. PHIPPS, Dr. BRADLEY, Dr. NEVILLE, Dr. GREENFIELD, Dr. SMITH, Dr. AUSTIN; Mr. PORTER, Mr. DRIGGS, Mr. CAROTHERS, Mr. EDWARDS, Miss SPARKS, Mr. ANDERS, Miss JUNKIN, Mr. BREDE, Miss RENNER, Mr. MOOSE, Mr. ANDREWS, Miss LOUGEE, Mr. DREGER, Mr. NORTH, Miss HYDE, Mr. RASSWEILER, Mr. KOTEN, Miss MUNN, Mr. CALVERY, Mr. BENNETT, Mr. NELSON, Mr. KING, Mr. BOND, Mr. WIERDA, Mr. CAUDLE, Mr. HILL, Mr. BRODE, Miss DAVIS, Mr. McELVAIN, Mr. JACOBSON, Mr. SMITHSON, Mr. DAVIS, Mr. JONES, Miss STOUDEUR, Mr. SELLS, Mr. THOMPSON, Mr. HECKEL, Mr. KAUFMANN, Mr. HOLTON, Mr. SHIVE, Mr. CORLEY, Mr. FISHER, Mr. LITTMANN, Mr. TAYLOR, Mr. BECKMAN, Mr. BEUKER, Miss ENGLE, Mr. BUTLER, Mr. TULEY, Mr. KLEINHEKSEL, Mr. KEELOR, Mr. CALDWELL, Mr. JOSEPH, Miss MONTGOMERY, Miss LANGDON, Mr. GRAY, Miss BULL, Mr. HOVARKA, Mr. BRUCE. *Cooperating:* Professors GRINDLEY, PARMELEE; Dr. BARNES.

Major: 20 hours, exclusive of Chemistry 1, 1a, 1b, 4 and 16, and inclusive of courses in quantitative analysis and organic chemistry.

Minors: 20 hours, chosen from bacteriology, botany, geology, mathematics, philosophy, physiology, physics, and zoology.

Students taking chemistry at the University are advised to give at least one year to the subject, and this should include Chemistry 1 or 1a, 2a or 3a. Those continuing in the second year should take Chemistry 5a and 5b, or 13a and 25. In the third year Chemistry 14a, 14b, 14c and 14d or 9 and 9c, 31, and 33 should be taken. With these, more special courses may be taken if desired, but students are not advised to take the special courses unless they have had the fundamental work represented by the selection given above. Students who desire a training for professional work in chemistry, either as teachers or in its industrial applications, should take the curriculum in chemistry, or in chemical engineering.

Students who find it impossible to take more than one semester's work are requested to register in Chemistry 1 or 1a in the second semester rather than in the first.

Courses for Undergraduates

1. Inorganic Chemistry.—The non-metallic elements. I or II; (5). (*Seniors 3 hours only*).

Associate Professor HOPKINS in charge

Professors NOYES, Assistant Professor KREMERS, Assistant Professor REEDY, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: One unit of entrance credit in physics, or 2½ units of entrance credit in mathematics or registration in Mathematics 2 or 3.

NOTE:—Students who have received entrance credit for high school chemistry are given only 3 hours of credit for Chemistry 1.

1a. Inorganic Chemistry.—Lectures; recitations; laboratory. For students who have had one year of high school chemistry. I or II; (3). (*Seniors 2 hours only*).

Associate Professor HOPKINS in charge

Professor NOYES, Assistant Professor KREMERS, Assistant Professor REEDY, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: One unit of entrance credit in chemistry.

NOTE—Students whose preparation proves to be inadequate for continuing this course will be required to change their registration to Chemistry 1. Students who have not used their high school chemistry for entrance may receive 5 hours' credit for Chemistry 1a. Students who have failed in Chemistry 1 are permitted to register for Chemistry 1a and will receive 5 hours' credit if their final grade is C or above.

1b. Inorganic Chemistry.—Lectures; recitations; laboratory. (For students in engineering.) I or II; (4). (*Seniors 3 hours only*). Associate Professor HOPKINS in charge. Professor NOYES, Assistant Professor KREMERS, Assistant Professor REEDY, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

NOTE—Students who have credit for high school chemistry should register for Chemistry 1a.

2a. Inorganic Chemistry and Qualitative Analysis.—Chemistry and qualitative analysis of the more common metals and inorganic compounds. Lectures; recitations; laboratory. I or II; (5). (*Seniors 3 hours only*).

Associate Professor HOPKINS, Assistant Professor REEDY, Assistant Professor KREMERS, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.
Prerequisite: Chemistry 1 or 1a.

3a. Inorganic Chemistry and Qualitative Analysis.—For students in chemistry and chemical engineering. II; (5). (*Seniors 3 hours only*).

Associate Professor HOPKINS, Assistant Professor REEDY, Assistant Professor KREMERS, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: Chemistry 1 or 1a.

4. Qualitative Analysis and Chemistry of the Metallic Elements.—Lectures; class and laboratory work. (For students in engineering.) I or II; (4). (*Seniors 3 hours only*).

Associate Professor HOPKINS, Assistant Professor REEDY, Assistant Professor KREMERS, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: Chemistry 1a or 1b.

5a. Elementary Quantitative Analysis.—Gravimetric and volumetric analysis; stoichiometrical relations and the application of the fundamental laws of chemistry to quantitative analysis. Lectures; recitations; laboratory. I or II; (5).

Associate Professor BEAL, in charge.
Assistant Professor BRALEY, Assistant Professor ENGLIS, Dr. SMITH, and assistants.

Prerequisite: Chemistry 2a, or 3a, or 4.

5b. Quantitative Analysis.—(Continuation of Chemistry 5a). Analysis of silicates, ores, and alloys; advanced qualitative analysis. Lectures; recitations; laboratory. II; (5).

Associate Professor BEAL, in charge.
Assistant Professor BRALEY, Assistant Professor ENGLIS, Dr. SMITH, and assistants.

Prerequisite: Chemistry 5a.

8. Elementary Quantitative Analysis.—Gravimetric and volumetric analysis. Lectures; recitations; laboratory. (Substituted for Chemistry 13a.) (For students in agriculture.) I or II; (3).

Assistant Professors BRALEY, Assistant Professor ENGLIS and assistants.

Prerequisite: Chemistry 2a or 3a.

9. Elementary Organic Chemistry.—Important compounds of carbon. II; (3).

Dr. MARVEL

Prerequisite: Chemistry 2a or 3a.

9c. Elementary Organic Chemistry.—(Laboratory to accompany Chemistry 9.) II; (2).

Dr. MARVEL, Dr. SOUTHER, and assistants.

Prerequisite: Chemistry 2a or 3a; registration in Chemistry 9.

11a-11b. Thesis.—Thesis, embodying a review of the literature of the subject, account of work done in the laboratory. The subject should be determined upon and reading begun in the junior year. A minimum of five semester hours required. (Required of seniors in chemistry and chemical engineering). I, II; (3 to 5).¹ Professor NOYES in charge.

Prerequisite: Chemistry 5a, 14a, and 31, or the consent of the departmental committee.

¹*Prerequisite:* Chem. 78 is required for Chem. 11a in Metallurgy and must be completed in Junior year.

²In registering for a course with variable hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

16. Fuel, Gas, and Water Analysis for Engineers.—The proximate analysis of coal; determination of calorific value; technical analysis of furnace gases; examination of boiler waters; lubricating oils. (For students in engineering). II; (3).
Assistant Professor LAYNG, Dr. BRADLEY

Prerequisite: Chemistry 4; junior standing.

80. Elements of Gas Blowing.—A laboratory course in the construction and repair of glass apparatus. II; (1).
Mr. ANDERS

Prerequisite: Two years' work in chemistry.

90-91. Chemical Inspection Trips.—Required for juniors and seniors in the courses in chemistry and chemical engineering. The expense involved will approximate thirty to thirty-five dollars for each student. II; ($\frac{1}{2}$ hour credit each year).
Professor PARR

93a-93b. Journal Meeting.—Required of seniors and all graduate students in chemistry. All members of the staff of the department of chemistry are expected to attend. I, II; ($\frac{1}{2}$).
Assistant Professor BRALEY

For Graduates and Advanced Undergraduates

6.¹ Chemical Technology.—Technological chemistry is illustrated in those industries having a chemical basis for their principal operations and processes; trade journals. Lectures; recitations. II; (3).
Professor PARR, Dr. BRADLEY

Prerequisite: Chemistry 5a and 14a.

7.¹ Metallurgy.—General metallurgy; metallurgy of iron and steel. Lectures; assigned reading; recitations. I; (3).
Dr. BRADLEY

Prerequisite: Chemistry 5a. (Senior students in engineering courses may be admitted to this course by special arrangement, without this prerequisite).

7a. Metallurgy of the Non-Ferrous Metals.—Copper, lead, zinc, gold, and silver. II; (3).
Dr. AUSTIN

Prerequisite: Chemistry 7.

10a. Water Chemistry.—History, sources, contamination, and standards of purity of potable waters and waters for industrial purposes. Lectures; practise in analytical methods. II; (3).
Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry 5a or 13a.

10b. Chemistry of Water and Sewage.—The chemical analysis of potable waters and waters for industrial purposes. Lectures on the history, sources, contamination, and standards of purity. Chemical analysis of sewage and effluents from sewage treatment plants. (For students in sanitary engineering, registered in connection with Bacteriology 6.) I; ($2\frac{1}{2}$).
Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry 4.

10d. Sanitary Chemistry and Limnology.—Laboratory control of water and sewage purification plants. Discussion of the biological, biochemical, and colloidal reaction in sewage purification processes. Colloidal reactions in water treatment. Water softening. The diurnal and annual temperature cycles in lakes and reservoirs, spring and fall overturning. The determination of dissolved gases and their relation to microscopic growths. Study and identification of microscopic organisms occurring in reservoirs and sewage filters. (For students in Sanitary Engineering.) II; (3).
Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry 4 and 10b; Bacteriology 6.

12. Chemistry of Colloids.—Laboratory exercises employing special apparatus and technic involved in the investigation of colloid systems. Discussion of systems of classification and the various theories proposed for the explanation of reactions of colloid systems. Practical application. I; (2-3); ($\frac{1}{2}$ unit).
Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry 5a, 14b and 31 or consent of the instructor.

14a-14b. Organic Chemistry.—Lectures; recitations. I, II; (3).
Professor NOYES

Prerequisite: Chemistry 5a; should be accompanied by Chemistry 14c and 14d.

¹Certain required inspection trips will be arranged in connection with courses 6 and 7. Students registered in these courses should take into consideration the expense involved, which will not exceed \$15.00 for each course.

14c. Organic Chemistry (Laboratory Work).—Organic synthesis. I or II; (2).

Dr. MARVEL, Dr. SOUTHER, and assistants
Prerequisite: Registration in Chemistry 14a, or equivalent.

14d. Organic Chemistry (Laboratory Work).—Organic synthesis, quantitative and qualitative analysis. Continuation of Chemistry 14c, to accompany Chemistry 14b. I or II; (2).

Dr. SOUTHER, and assistants
Prerequisite: Chemistry 14a, 14c; registration in Chemistry 14b, or equivalent.

15. Physiological Chemistry.—Proteins, fats, and carbohydrates; tissues, digestion, intestinal putrefaction, and feces; the quantitative analysis of gastric contents, blood, milk, and urine. Clinical aspects of the subject are treated thoroly for prospective students of medicine. Lectures; demonstrations; conferences; laboratory; assigned reading. I; (5).

Professor ROSE, and assistants
Prerequisite: Chemistry 5a or 8; 9 or 14a-14b.

15a. Problems in Metabolism.—Intermediary metabolism in health and disease; chemical methods of diagnosis; micro-analysis of blood and urine. Emphasis is placed upon alterations in blood composition and the clinical significance of the blood ingredients. Lectures; conferences; laboratory. II; (3).

Professor ROSE, and assistants.
Prerequisite: Chemistry 15.

17. Teachers' Course.—Methods of teaching elementary chemistry. II; (1).

Dr. R. M. PARR
Prerequisite: 13 hours of chemistry and senior standing.

21. Qualitative Organic Analysis.—Identification of pure organic compounds and mixtures. I; (3).

Dr. MARVEL, and assistants
Prerequisite: Chemistry 14c, 14d.

25. Food Analysis.—Quantitative organic analysis, with special reference to the examination of food products; alcohols, carbohydrates, fats and oils, cereals, nitrogenous bodies, preservatives, and colors. I; (5).

Associate Professor BEAL, Assistant Professor ENGLIS, and assistant
Prerequisite: Chemistry 5a or 13a; 9 or 14a-14b.

26. Pharmaceutical Chemistry.—The analytical chemistry of medicinal substances with a discussion of the common types of pharmaceutical preparations. II; (3).

Associate Professor BEAL, and assistant
Prerequisite: Chemistry 14a-14b.

27. Qualitative Analysis of the Rarer Elements.—The rarer elements and their compounds; identification and separation of the elements; formation, solubilities, and chemical reactions of their salts. Lectures and laboratory. I; (3).

Associate Professor HOPKINS, Dr. PARR
Prerequisite: Two years' work in chemistry.

28. Advanced Qualitative Analysis.—Methods of separation; qualitative reagents; theory of reactions. Designed especially for those intending to teach qualitative chemistry. Lectures and seminar. II; (2).

Assistant Professor REEDY
Prerequisite: Senior standing and Chemistry 31, or graduate standing.

31. Elementary Physical Chemistry.—The purpose of this course is to give the experimental basis for a proper appreciation of physical chemistry. Lectures, problems. I or II; (3).

Associate Professor RODEBUSH, Assistant Professor DIETRICHSON, or Dr. CARVER
Prerequisite: Chemistry 5a, 5b; Physics 1a-1b, or 7a-7b; Mathematics 3 or 8.

33. Elementary Physical Chemistry.—A laboratory course to accompany Chemistry 31. I or II; (2).

Dr. CARVER
Prerequisite: Chemistry 5a, 5b; Physics 1a-1b, or 7a-7b; Mathematics 7 or 8.

34. Physical Chemistry.—First semester, thermodynamics and free energy calculations. Second semester, atomic structure, and general applications of the principles of physical chemistry. I, II; (2).

Associate Professor RODEBUSH
Prerequisite: Chemistry 31, 33.

35. Electrochemistry.—The general theory of electrochemistry and an introduction to thermodynamics. I or II; (3).

Assistant Professor DIETRICHSON
Prerequisite: Chemistry 31, 33.

46. Chemistry of Plant Products.—The occurrence of organic compounds in plants and their relation to plant nutrition. Lectures and laboratory. II; (2).

Assistant Professor ENGLIS

Prerequisite: Chemistry 9 and 9c, or 14a and 14c.

47. Physical Methods in Inorganic Problems.—Selected topics involving the application of the methods of Physical Chemistry. Recitations; assigned readings. I; (2).

Assistant Professor REEDY

61. Industrial Chemical Laboratory.—The preparation and purification of chemical products from raw materials on a scale sufficient to afford data for determining the economy of the processes employed. (Should be accompanied by either Chemistry 6 or 109). II; (3).

Dr. BRADLEY

Prerequisite: Chemistry 5a and 14a.

65. Fuels and Flue Gases.—Fuel inspection; gas analysis; determination of calorific values; calculation of efficiencies. I or II; (3).

Assistant Professor LAYNG, Dr. BRADLEY, and assistants

Prerequisite: Chemistry 5a.

66. Gas Engineering.—Gas machinery; ovens and appliances for carbonization; recovery of by-products. II; (1).

Professor PARR

Prerequisite: Chemistry 65; registration in 66a is advised.

66a. Control Processes in Gas Manufacture.—Standardization methods and inspection. II; (1).

Assistant Professor LAYNG

Prerequisite: Chemistry 65.

69. Metallurgical Laboratory and Assaying.—The fire assay of gold, silver, lead, and copper ores, mattes, and bullion; special experiments illustrating the underlying metallurgical principles; fluxes, slags, and charge calculations; practise in the use of coal, oil, and gas furnaces, and in the measurement of high temperatures. I; (2).

Dr. AUSTIN

Prerequisite: Chemistry 5a; Geology 20.

72. Paints, Oils, Turpentine, Varnishes, and Protective Coverings for Wood and Metals.—Lectures and laboratory. I; (2). Professor PARR, Assistant Professor LAYNG

Prerequisite: Chemistry 5a and 14a-14b.

73. Asphalt, Tar, and Distillation Products.—Sources, characteristics, composition, and examination; binders and dust preventives used in road construction. (For students in highway engineering). II; (2).

Professor PARR, Assistant Professor LAYNG

Prerequisite: Chemistry 2a or 4.

76. Mineral Oils.—Fractionation, analysis, evaluation for fuel, lubrication and gas manufacture. II; (2).

Assistant Professor LAYNG

Prerequisite: Chemistry 9a and 14a.

77. Composition and Classification of Coal.—Classification, changes in composition, weathering, spontaneous combustion, formation of mine gases. Lectures; assigned reading. II; (1).

Professor PARR

Prerequisite: Chemistry 65.

78. Metallography.—Constitution and microstructure of metals and alloys and the relations between their properties, chemical and mechanical treatment, and structure. Lectures; reading; laboratory. II; (2).

Dr. AUSTIN

Prerequisite: Chemistry 7.

79. Advanced Metallography.—Selected alloy systems; correlation of constitution and properties. *Twice a week; I; (3/4 unit).*

Dr. AUSTIN

Prerequisite: Chemistry 7 and 78 or equivalent.

92a-92b. Chemical Literature and Reference Work.—Periods, leaders, journals. Required of juniors in chemistry and chemical engineering; required also of juniors who are majoring in chemistry. I, II; (1).

Miss SPARKS

Prerequisite: 13 hours of chemistry, 1 year of French or German, junior standing.

95. History of Chemistry.—Lectures and assigned reading. I; (2). Professor NOYES

Courses for Graduates

Graduate students whose major subject is in some department other than chemistry, before taking graduate work for credit in this department, must have had the equivalent of 15 university credits in chemistry, and the ground covered should include satisfactory work in general chemistry and in qualitative and quantitative analysis. Such students are advised to make selections from the following courses: Chemistry 31, 33 (or 102, 102a), 14a, 14b, 14c, 14d, 15 and 25. Courses of a more special nature will not, as a rule, be accepted for graduate work unless preceded by one of the courses above.

Graduate students who are candidates for an advanced degree in chemistry must have had the equivalent of 25 university credits in chemistry, properly distributed.

For students in chemistry, 5a, 13a, 9 and 9c will not be accepted for graduate credit, and 14a-14b, 14c, 14d, 31, and 33 will be accepted only from students entering the Graduate School with the equivalent of 30 university credits in chemistry.

101. Theories of Chemistry.—Seminar. Origin and development of the principal theories of the science. *Once a week. II; ($\frac{1}{4}$ unit).* Professor NOYES

102. Advanced Physical Chemistry.—Recent developments in physical chemistry. In general a different subject will be discussed each time the course is given. Seminar. I, II; ($\frac{3}{4}$ unit). Associate Professor RODEBUSH and staff

Prerequisite: Chemistry 1, 2a or 3a; Physics 1a-1b, 3a-3b; Mathematics 8a or 7 and 9. An elementary knowledge of organic and physical chemistry is desirable.

103. Advanced Inorganic Chemistry.—Descriptive inorganic chemistry; the rarer elements; the periodic system. Lectures and recitations, with or without laboratory. *Two to five times a week. I, II; ($\frac{1}{2}$ to $1\frac{1}{4}$ units).* Associate Professor HOPKINS

103a. Advanced Analytical Chemistry.—Special topics. Lectures, with or without laboratory. *One to five times a week; II; ($\frac{1}{2}$ to $1\frac{1}{4}$ units).* Assistant Professor BRALEY
Prerequisite: Chemistry 5b, 9a, 9b, 14a-14b, 31, 33.

103b. Special Topics in Analytical Chemistry.—Required of all students taking a major or minor in analytical chemistry. Seminar. I, II; ($\frac{1}{2}$ unit).

Associate Professor BEAL, Assistant Professor BRALEY
Prerequisite: Chemistry 9a, 9b, 14a-14b.

103c. Special Topics in Inorganic Chemistry.—Seminar; rare earths. I, II; ($\frac{1}{4}$ unit). Associate Professor HOPKINS

104. Advanced Organic Chemistry.—Geometric isomerism; optical isomerism; tautomerism; mechanisms of important reactions; etc. II; ($\frac{3}{4}$ unit). Professor ADAMS

104a. Advanced Organic Chemistry.—(First Course). I; ($\frac{3}{4}$ unit). Dr. MARVEL

104b. Advanced Quantitative Organic Chemistry.—Proteins, alkaloids, glucosides, volatile oils, and other constituents of animal and vegetable tissues. Plant analysis. Toxicological analysis. The general methods, chemical and physical, of organic analysis. Lectures and seminar. May be accompanied by laboratory work on a selected group of compounds. *Twice a week; I, II; ($\frac{1}{2}$ unit; $1\frac{1}{4}$ unit with laboratory).*

Associate Professor BEAL

104c. Organic Chemistry.—Seminar.—A review of the current literature in organic chemistry. *Once every week; I, II; ($\frac{1}{4}$ unit).* Professor ADAMS, Dr. MARVEL

104d. Advanced Organic Chemistry.—(Second Course)—A study of the general reactions in organic chemistry and their scope. *Twice a week; I; ($\frac{3}{4}$ unit).*

Professor ADAMS

[104e. Advanced Organic Chemistry.—Chiefly laboratory work. The study and development of methods which are suitable for large scale production. *(1 unit). Not given in 1922-23.*

Professor ADAMS]

105. Advanced Physiological Chemistry.—A more detailed study of the structure and distribution of the proteins. The chemistry of intermediary metabolism and of the glands of internal secretion. Lectures; demonstrations; assigned readings; discussions. *Twice a week; II; ($\frac{3}{4}$ unit).*

Professor ROSE

105a. Advanced Physiological Chemistry.—The more difficult biochemical preparations; the use of analytical methods. Lecture and laboratory. *One to five times a week; II; ($\frac{3}{4}$ unit).*

Professor ROSE

105b-105c. Advanced Physiological Chemistry.—Seminar. The current literature of physiological chemistry, with particular reference to recent advances. *Two hours a week; I, II; ($\frac{1}{2}$ unit).*

Professor ROSE

106. Animal Chemistry (Animal Nutrition).—Recent advances in the chemistry of nutrition of the lower animals; the chemistry of the functional products; the flesh, fat, milk, and wool of the more common domesticated animals. Lectures; conferences; assigned reading; laboratory. *Five times a week; I, II; (1 to 1½ units).* Professor GRINDLEY

Prerequisite: Two years' work in chemistry.

107. Special Problems in Technology of Fuels.—I; ($\frac{1}{2}$ unit). Professor PARR

Prerequisite: Chemistry 77.

107a. Fuel Technology.—Constitution of Coal. *Twice a week; I; ($\frac{1}{2}$ unit).*

Assistant Professor LAYNG

Prerequisite: Chemistry 65.

107b. Fuel Technology.—Carbonization processes; by-product constituents and recovery. *Twice a week; II; ($\frac{1}{2}$ unit).* Assistant Professor LAYNG

Prerequisite: Chemistry 65 and 107a.

109. Advanced Industrial Chemistry.—Seminar. Some of the more important chemical industries; the development and chemical control of processes. *Twice a week; I, II; ($\frac{3}{4}$ unit).* Professor PARR

110. Water Supplies.—An advanced course in the chemistry of water and sewage. The sources of contamination of water supplies and the purification of water for potable or technical use. *One to five times a week; I, II; ($\frac{1}{2}$ to 1½ units).*

Associate Professor BUSWELL

111. Research.—A thesis is usually required of students taking the Master's degree and is always required of students taking the degree of Doctor of Philosophy. (For a description of undergraduate work leading to a thesis, see Chemistry 11.) I, II; Work may be taken in the following subjects:

PHYSICAL AND ELECTROCHEMISTRY

{ Associate Professor RODEBUSH
Assistant Professor REEDY

INORGANIC CHEMISTRY

Associate Professor HOPKINS, Assistant Professors REEDY and KREMERS

ANALYTICAL CHEMISTRY

Associate Professor BEAL, Assistant Professor BRALEY

FOOD CHEMISTRY

Associate Professor BEAL, Assistant Professor ENGLIS

ORGANIC CHEMISTRY

Professors NOYES, ADAMS, Dr. MARVEL

WATER CHEMISTRY

Associate Professor BUSWELL

ANIMAL CHEMISTRY (Animal Nutrition)

Professor GRINDLEY

PHYSIOLOGICAL CHEMISTRY

Professor ROSE

INDUSTRIAL CHEMISTRY

Professor PARR, Assistant Professor LAYNG

CERAMIC CHEMISTRY

Professor PARMELEE

PHOTO-CHEMISTRY

Assistant Professor ENGLIS

Summer Session Courses

NOTE.—All of the courses in chemistry in the Summer Session are equivalent to the courses of the same numbers given during the academic year, and have the same prerequisites.

Courses for Undergraduates

S1. Elementary Chemistry.

Associate Professor HOPKINS, Assistant Professor KREMERS, Dr. HURD, Miss JUNKIN

S1a. Inorganic Chemistry.

Associate Professor HOPKINS, Assistant Professor KREMERS, Dr. HURD, Miss JUNKIN

S1b. Inorganic Chemistry.—For engineering students.

Associate Professor HOPKINS, Assistant Professor KREMERS, Dr. HURD, Miss JUNKIN

S2a. Inorganic Chemistry and Qualitative Analysis.

Assistant Professor REEDY, Dr. PHIPPS, and assistant

S3a. Inorganic Chemistry and Qualitative Analysis.

Assistant Professor REEDY, Dr. PHIPPS

S5a. Elementary Quantitative Analysis.

Associate Professor BEAL, Assistant Professor BRALEY, Dr. ENGLIS

S5b. Quantitative Analysis.

Associate Professor BEAL, Assistant Professor BRALEY, Dr. ENGLIS

S13a. Agricultural Analysis.

Associate Professor BEAL, Assistant Professor BRALEY, Dr. ENGLIS

Courses for Undergraduates and Graduates

By suitable selection of courses through four consecutive summers it will be possible for persons attending the Summer Session to meet the requirements for the Master's degree, with the exception of the completion of a course in physical chemistry.

S14a. Elementary Organic Chemistry.	Professor ADAMS
S14b. Organic Chemistry (second course).	Dr. SOUTHER
S14c. Organic Chemistry (elementary laboratory).	Mr. BARNES and assistant
S14d. Organic Chemistry (advanced laboratory).	Dr. SOUTHER
S15. Physiological Chemistry.	Associate Professor LEWIS
S17. Teachers' Course.	Associate Professor HOPKINS
S21. Qualitative Organic Analysis.	Dr. SOUTHER
S25. Food Analysis.	Associate Professor BEAL
S27. Qualitative Analysis of the Rarer Elements.	Associate Professor HOPKINS
S92. Chemical Literature and Reference Work.	Miss SPARKS
S103a. Advanced Analytical Chemistry.	Assistant Professor BRALEY
S104e. Advanced Organic Chemistry.—Chiefly laboratory work. The study and development of methods which are suitable for large scale production. (1 unit).	Professor ADAMS, Dr. MARVEL
S105a. Advanced Physiological Chemistry.—The more difficult biochemical preparations; the use of analytical methods. Lecture and laboratory. One to five times a week. (½ unit).	Associate Professor LEWIS

S11 and S111. Research.

PHYSICAL AND ELECTROCHEMISTRY	Assistant Professor REEDY
INORGANIC CHEMISTRY	Associate Professor HOPKINS, Assistant Professor KREMERS
ANALYTICAL CHEMISTRY	Associate Professor BEAL, Assistant Professor BRALEY
PHYSIOLOGICAL CHEMISTRY	Associate Professor LEWIS
ORGANIC CHEMISTRY	Professor ADAMS, Dr. MARVEL
INDUSTRIAL CHEMISTRY	Professor PARR, Assistant Professor LAYNG

CIVIL ENGINEERING

Professors WILLIAMS, WILSON, CROSS; Assistant Professors WILEY, PICKELS, RAYNER, MYLREA, VAWTER; Mr. SHEDD, Mr. BAUER, Mr. SCHMELTZER, Mr. MATHEWS, Mr. MORROW.

Courses for Undergraduates

27. Elementary Surveying.—The theory, use, and adjustment of the compass, transit, and level; the computation of areas and volumes, and the partitioning of land; map construction; the United States land survey methods, re-establishment of corners and boundaries, and interpretation of deeds; farm and city surveying; elements of topographic surveying. Problems with the tape, compass, transit, and level. I; (3).

Assistant Professor RAYNER, Mr. SCHMELTZER, Mr. MATHEWS
Prerequisite: General Engineering Drawing 1 or 4, 2; Mathematics 4.

28. Topographic Surveying.—The theory and use of the transit and plane-table in making topographic surveys; methods; topographic surveying. II; (3).

Assistant Professor PICKELS, Mr. SCHMELTZER, Mr. MATHEW
Prerequisite: Civil Engineering 27; Physics 1a, 3a, and registration in Physics 1b, 3b.

30. Higher Surveying.—Topographical surveying methods as applied to intermediate and small scale maps, including base-line measurements, precise measurement of angles, precise leveling, graphic and trigonometric triangulation, adjustment of observations, and map projections. Methods for determination of true azimuth from solar and stellar observations. Hydrographic Surveying instruments and methods. II; (3).

Mr. SCHMELTZER, Mr. MATHEWS

Prerequisite: Civil Engineering 27, 28.

31. Surveying for Landscape Gardeners.—Determination of horizontal distances by pacing, taping and stadia; determination of vertical distances by use of engineer's level; measurement of horizontal and vertical angles with transit; adjustment of instruments; methods used and accuracy necessary in making various kinds of surveys; setting slope stakes; cross-sectioning; construction and use of profiles; mapping. I; (3).

Assistant Professor RAYNER

Prerequisite: Mathematics 4; Architecture 31, 32.

32. Surveying for Landscape Gardeners.—The stadia; topographic signs; contour construction; grading and drainage; advanced plane-table; earthwork computations; use of planimeter; establishing grades. Each student prepares a large scale topographic map of a portion of the campus. II; (3).
Assistant Professor RAYNER

Prerequisite: Civil Engineering 31.

34. General Surveying.—Use of tape, level, transit, and plane table; adjustments of transit and level; errors in use of surveying instruments; common and special surveying problems; triangulation; topographic surveying; U. S. land surveys; computations of areas by latitudes and departures; computation of earthwork. II; (3).
Assistant Professor PICKELS

Prerequisite: General Engineering Drawing 1 or 4, 2; Mathematics 4.

35. Principles of Surveying.—(For students who do not expect to take Civil Engineering 28). Elementary surveying, use of transit, level, plane-table and their adjustments; areas and volumes, map and profile construction, differential and profile leveling, contours U. S. public land surveys. I; (3).
Mr. SCHMELTZER, Mr. MATHEWS

Prerequisite: Mathematics 4; General Engineering Drawing 1 or 4.

36. Principles of Surveying.—(For junior students in Ceramic Engineering). Use and adjustment of transit and level, running circular curves, areas and volumes, map and profile construction. II; (2).
Mr. MATHEWS

Prerequisite: Mathematics 4, 6; General Engineering Drawing 1 or 4, 2; Physics 1a-1b, 3a-3b.

51. Railroad Surveying.—Economic location, construction and maintenance of railways; curves, turnouts; and earth work, preliminary and location surveys. Each student makes a complete set of maps, profiles, and estimates. I; (5).
Assistant Professor PICKELS, Assistant Professor VAWTER, Mr. BAUER, Mr. SCHMELTZER

Prerequisite: Civil Engineering 27, 28.

52. Roads and Pavements.—(For Municipal and Sanitary Engineering Students only). Construction and maintenance of earth, gravel, stone, block, concrete and bituminous pavements; comparison of different types; pavement accessories. II; (3).
Mr. BAUER

Prerequisite: Junior standing in Municipal and Sanitary Engineering, including all prescribed subjects.

53. Railroad Surveying.—First eleven weeks of course 51, for juniors in Municipal and Sanitary Engineering. I; (3).

54. Roads and Pavements.—Road and street location and drainage; construction and maintenance of earth, gravel, macadam, concrete, brick, stone-block, wood-block, and bituminous roads and pavements; comparison of different types; pavement accessories. II; (4).
Assistant Professor WILEY, Mr. BAUER

Prerequisite: Mathematics 4, General Engineering Drawing 1 or 4, 2; Civil Engineering 27, 28, 51.

57. Hydrology.—Occurrence and distribution of precipitation; evaporation from land and water surfaces; transpiration, deep seepage; run-off; hydraulics of rivers and small streams; use of current meter, float, weir, etc., for measuring velocity and discharge, and the modification of stream flow by storage for municipal, irrigation, navigation, flood-prevention and power purposes. I; (2).
Assistant Professor PICKELS

Prerequisite: Senior standing in Civil Engineering.

58. Stresses in Mine Structures.—(For students in Mining Engineering). Study by analytical and graphical methods of the stresses in tipples, head-frames and other mine structures. II; (2).
Assistant Professor VAWTER

Prerequisite: Theoretical and Applied Mechanics 20, 25.

60. Structural Stresses.—Methods of analysis of stresses in statically determinate structures. II; (4).
Professor CROSS, Assistant Professor MYLREA

Prerequisite: Mathematics 2, 4, 6; General Engineering Drawing 1 or 4, 2; Theoretical and Applied Mechanics 20, 25 or 29.

62. Structural Details.—Design of details of steel and timber structures. Study of working drawings. II; (2).
Assistant Professor VAWTER, Mr. SHEDD

Prerequisite: Registration in Civil Engineering 60.

70. Seminar.—Preparation, reading, and discussion of papers on engineering topics. Each student presents one major and two minor papers on assigned topics, and participates in the discussion of papers by others. II; (1).

Assistant Professor RAYNER, Assistant Professor PICKELS

Prerequisite: Rhetoric 1 and 2, and junior standing in Civil Engineering.

73. Bridge Design.—A portion of course 85, for Railway Civil Engineers. I; (4).

75. Masonry Construction.—Discussion of the materials of masonry construction; making, using and testing of concrete; brick and stone masonry; foundations of buildings and bridges; design of masonry structures; bridge piers and abutments, dams, retaining walls, culverts and arches. I, or II; (3).

Professor WILLIAMS

Prerequisite: Theoretical and Applied Mechanics 10, 20, 21, 29; Civil Engineering 60.

78. Drainage Engineering.—The present status and importance of the drainage problem; the effect of drainage on public health; the economics of drainage; the legal procedure in the formation of drainage districts; methods of levying assessments for benefits; surveys and maps of drainage areas; reports on drainage projects; the design, construction, maintenance, and cost of drainage systems; flood protection; channel improvement; design, construction, and maintenance of levees; pumping requirements for levee districts. II; (3).

Assistant Professor PICKELS

Prerequisite: Civil Engineering 57.

80. Engineering Contracts and Specifications.—Engineering relations, the law of contracts; business and technical clauses used in engineering specifications. The relation of the engineer to industrial, financial, and governmental problems. II; (2).

Professor WILLIAMS, Assistant Professor VAWTER

Prerequisite: Senior standing in engineering.

81. Theory of Reinforced Concrete.—A study of stress distribution and of the effect of continuity in reinforced concrete structures. I; (2).

Professor CROSS, Assistant Professor MYLREA

Prerequisite: Civil Engineering 60.

82. Reinforced Concrete Design.—Designs and details for some typical problems in concrete bridges and buildings. II; (4).

Professor CROSS, Assistant Professor MYLREA, Mr. MORROW

Prerequisite: Civil Engineering 81.

84. Valuations and Rates.—Principles, purposes and methods of valuation; the rate base. I, or II; (2).

Professor WILLIAMS

Prerequisite: Senior standing in engineering.

85. Bridge Design.—Stress sheets, general design drawings, and details of railway and highway bridges. I; (5).

Assistant Professor MYLREA, Mr. SHEDD, Mr. MORROW

Prerequisite: Civil Engineering 60, 62.

88. Stresses in Structures.—Methods of analysis of stresses in structures of steel, wood, or concrete. Foundations and superstructures. I; (4).

Professor CROSS, Mr. SHEDD

Prerequisite: Theoretical and Applied Mechanics 20, 25.

90. Structural Design.—General methods of design based on the principles discussed in Civil Engineering 88. General designs for industrial buildings, small bridges, dams, retaining walls and similar structures. II; (4).

Professor CROSS, Mr. SHEDD

Prerequisite: Civil Engineering 88.

91. Advanced Structural Analysis.—The elastic theory and its applications in statically indeterminate structures. I; (5).

Professor CROSS

Prerequisite: Registration in Civil Engineering 73 or 85.

92. Structural Seminar.—Seminar course in methods of investigation in structural design. Reports, discussions, comparison of designs. Lectures on research problems. II; (2).

Professor CROSS, Assistant Professor MYLREA. *Cooperating:* Professor WILSON

Prerequisite: Civil Engineering 91.

93. Highway Design.—Township, county and state road systems; city streets; choice of pavement types; principles of design, preparation of plans, specifications, and estimates of cost. I; (3).

Assistant Professor WILEY

Prerequisite: Civil Engineering 54; Theoretical and Applied Mechanics 21, 29.

94. Highway Administration.—The relation of road and street improvement to social and economic welfare; governmental units and forms as related to roads and streets; state, county, and city highway departments; highway and local improvement law; traffic regulations; taxation and methods of financing country roads and city pavements. II; (3). Assistant Professor WILEY

Prerequisite: Senior standing in Civil Engineering.

95. Plain Concrete.—Standard tests for Portland cement; origin, preparation and characteristics of different aggregates; field and laboratory examination and tests; theories of proportioning; effect of impurities, quantity of water, and methods of handling and curing. Laboratory practise. I; (2). Assistant Professor WILEY, Mr. BAUER

Prerequisite: Senior standing in engineering.

96. Road Materials.—Origin, preparation and characteristics of road-building materials; examination and tests of both bituminous and non-bituminous materials; interpretation of results; specifications; inspection. Laboratory practise. II; (2).

Assistant Professor WILEY, Mr. BAUER

Prerequisite: Civil Engineering 54, 95. Students who expect to take Civil Engineering 96 are urged to take Geology 43 or its equivalent in the junior year.

97-98. Thesis.—A problem in investigation or design, subject to the approval of the head of the department. Only students of high standing are permitted to take a thesis. I; (1); II; (2 or 3).¹

Prerequisite: Senior standing in Civil Engineering.

99. Inspection Trip.—A three days' trip to study various industries and engineering projects including industrial plants, bridges, pavements, railways and buildings, usually in and about Chicago. I; (*No credit, but required for graduation*).

Prerequisite: Senior standing in Civil Engineering.

Courses for Graduates

Entrance on graduate work in civil engineering presupposes the full undergraduate course in that subject.

103. Highway Construction.—Machinery and methods of handling materials. Contractor's Organization and official control. *Twice a week.* I (1 unit). Professor BAKER

106. Reinforced Concrete Structures.—Continuity in reinforced concrete design. Special methods of applying elastic theory; arches and domes. *Twice a week.* I. (1 or 2 units). Professors CROSS and MYLREA

107. Statically Indeterminate Structures and Secondary Stresses.—*Twice a week.* I; (1 unit). Professor WILSON

108. Advanced Bridge Design.—Design of steel arch, cantilever, suspension and movable bridges. *Twice a week.* II; (1 or 2 units). Professor CROSS

112. Foundations.—Foundation types. Factors affecting design. Methods of construction. *Three times a week.* I; (1 unit). Professor WILLIAMS

113. Appraisals and Rate Making.—Intensive studies in elements of value and depreciation. Relation of appraisal to its purpose. *Once a week.* (1 unit). II. Professor WILLIAMS

124. Steel Building Construction.—Steel framing of fire proof office buildings and similar buildings; wind bracing; analysis of special details; erection methods and costs. *Twice a week.* II; (1 unit). Professor WILSON

125. Advanced Design of Industrial Structures.—Steel and reinforced concrete mill and factory buildings; head frames, tipples and other mine structures; grain elevators. *Twice a week.* I; (1 unit). Dean KETCHUM

Prerequisite: Civil Engineering 107, and either 108 or 124.

For other graduate work in reinforced concrete, see Mechanics 128 by Professor TALBOT
For graduate work in railway civil engineering, see Railway Engineering 110, by Professor KING.

For graduate work in Sanitary Engineering, see Municipal and Sanitary Engineering 102, 103, and 106, by Professors ENGER and TALBOT.

¹A thesis may be substituted for a technical subject in any one of the three options of the senior year of the civil engineering curriculum, upon the approval of the Head of the Department.

THE CLASSICS

Professors BARTON, OLDFATHER, PEASE, CANTER; Mr. LOWE, Mr. FORBES.

GREEK

Major: 20 hours excluding Greek 1a-1b and 17.

Minors: 20 hours chosen from not more than two of the following: foreign languages (Latin being especially recommended), English literature, history, and philosophy.

LATIN

Major: 20 hours excluding Latin 11a-11b, 6, 1a-1b, and 20.

Minors: 20 hours chosen from not more than two of the following: foreign languages (Greek being especially recommended), English literature, history, and philosophy.

CLASSICS

Major: 20 hours in Greek and Latin, excluding Greek 1a-1b, 16, 17, and 55 and Latin 11a-11b, 6, 1a-1b, 13, 20 and 56. At least six hours shall be carried in the secondary language and the remaining hours in the primary language.

Minors: 20 hours chosen from not more than two of the following: foreign languages, English literature, history, and philosophy.

GREEK

Courses for Undergraduates

The courses in translation naturally follow each other in the following sequence: 1a-1b, 3, 5 or 7, 6 or 8. Courses 1a-1b, 3, and 4 are intended for students who cannot present Greek for entrance to the University, but who desire to commence the study of the language. Course 2a-2b may be taken after course 1a-1b. Course 16 and 17 are open to sophomores, juniors, and seniors; 55 is open to those who have completed one year in history or classics.

1a-1b. Grammar and Reader.—First semester: Attic forms; reading simple prose. Second semester: Xenophon's *Anabasis*, Book 1. I, II; (4). Professor OLDFATHER

2a-2b. New Testament Greek.—Reading of selections and lectures on the canon and text. I, II; (2). Professor CANTER, Mr. LOWE

Prerequisite: Greek 1a-1b or an equivalent.

3. Second Year Greek.—Xenophon's *Anabasis*, Books II-IV; grammatical drill. I; (3). Professor PEASE

Prerequisite: Greek 1a-1b.

4. Second Year Greek.—Homer, six books of the *Iliad*. I; (3). Professor PEASE

Prerequisite: Greek 3.

Courses for Advanced Undergraduates and Graduates

[5. Herodotus.—Selections. I; (3). Not given in 1922-23.]

Prerequisite: Greek 4.

[6. Thucydides.—The Sicilian Expedition, Books VI, VII. II; (3). Not given in 1922-23.]

Prerequisite: Greek 4.

7. Greek Drama.—Three plays from the great dramatists. I; (3).

Professor PEASE

Prerequisite: Greek 4.

8. Plato.—Selected dialogues. II; (3).

Professor PEASE

Prerequisite: Greek 4.

[14. Greek Prose Composition.—II; (1). Not given 1922-23.]

Prerequisite: Greek 5 and 6, 7 and 8.

GREEK LIFE AND HISTORY

Courses 16 and 17 presuppose no knowledge of Greek and are open to all students except freshmen.

16. The Life of the Ancient Greeks.—Lectures illustrated by photographs and slides; prescribed readings. I; (1). Professor PEASE

17. Greek Poetry in English Translation.—Drama. II; (2). Professor PEASE
 55. Greek History.—(This course is described by the department of history as History 55.) I; (3). Professor OLDFATHER
Prerequisite: One course in history or the classics. Not open to freshmen.
 54. Comparative Literature.—See English 54.

Courses for Graduates

104. Homer.—*Twice a week.* I, II; (1 unit). Professor OLDFATHER
 106. Greek Drama.—*Twice a week.* II; (1 unit). Professor PEASE
 110. Bibliography and Criticism.—(Thesis course; the same as Latin 110). *Once a week.* I, II; (1 unit). Professor OLDFATHER, PEASE, and others

LATIN

- 11a-11b. Beginning Latin.—I, II; (4). Mr. FORBES
 1a-1b. Ovid and Vergil.—I, II; (4). Mr. FORBES
Prerequisite: Three entrance units in Latin.
 6. Cicero.—Selections from the Orations. I; (4). Mr. LOWE
Prerequisite: Two entrance units in Latin.
 2a-2b. Livy, Plautus, and Terence.—First semester: Selections from Livy, the story of Hannibal. Second semester: The *Rudens* and the *Captive* of Plautus and the *Phormio* of Terence. I, II; (4). Professor BARTON
Prerequisite: Four entrance units in Latin.
 3. Sallust and Cicero.—Selections from the *Jugurthine War*; *De Senectute*. I; (3). Mr. LOWE
Prerequisite: Latin 2a-2b.
 4. Horace and Catullus.—Selections. II; (3). Mr. LOWE
Prerequisite: Latin 2a-2b.
 5b. Latin Composition.—Grammatical drill and practise in the simpler forms of expression. Required of those receiving recommendation of department as teachers. I, II; (1). Professor CANTER
 9. Teachers' Course.—The purpose and methods of preparatory Latin instruction; the teacher's preparation. Required for those receiving the recommendation of the department as teachers. II; (2). Professor BARTON
Prerequisite: 18 hours of Latin. A portion of this requirement may be waived in the case of those who have taught Latin.
 10. Latin Composition.—The leading principles; imitation of assigned models. Required of those receiving recommendation of the department as teachers. II; (2). Professor BARTON
Prerequisite: 12 hours of Latin, including Latin 5b or equivalent.
 20. Classical Mythology.—Lectures and assigned readings. I; (2). Not open to freshmen. Professor BARTON

ROMAN LIFE AND HISTORY

(Course 13 presupposes no knowledge of Latin.)

13. Roman Life.—The family, organization of society, education, marriage, amusements, with some attention to the monuments. Lectures and assigned readings illustrated by photographs and slides. II; (1). Not open to freshmen. Professor BARTON
 56. Roman History.—(This course is described by the department of history as History 56.) Not open to freshmen. II; (3). Professor OLDFATHER

Courses for Advanced Undergraduates and Graduates

7. **Horace and Juvenal.**—Selections from the Satires and Epistles of Horace; selected Satires of Juvenal. II; (3). Professor CANTER

Prerequisite: 12 hours of Latin.

- [8. **Tacitus.**—The *Annals*, Book I-IV. II; (3). Not given in 1922-23. Professor PEASE

Prerequisite: 12 hours in Latin.]

14. **Seneca.**—Selections from his Letters; the Daughters of Troy. I; (3). Professor BARTON

Prerequisite: 12 hours of Latin.

- [16. **Martial and Suetonius.**—Selections. I; (3). Not given in 1922-23. Professor BARTON

Prerequisite: 12 hours in Latin.]

- [22. **Late Latin.**—Rapid reading of Selections from the Latin writers from Minucius Felix to Cassiodorus. II; (3). Not given in 1922-23. Professor PEASE

Prerequisite: Senior or graduate standing; two years of college Latin or the consent of the instructor.]

54. **Comparative Literature.**—See English 54.

- 30a-30b.—Thesis or a special course of study approved by the department. I, II; (2).

Prerequisite: 14 hours of Latin acceptable for a major; senior standing.

Courses for Graduates

Students desiring to take graduate work in Latin should have had at least three years of college Latin in addition to the Latin presented to meet entrance requirements.

102. **Roman Oratory.**—*Twice a week.* I; (1 unit). Professor CANTER

103. **Cicero's Philosophical Works.**—*Twice a week.* II; (1 unit). Professor PEASE

104. **Latin Paleography.**—*Twice a week.* I; (1 unit). Professor PEASE

108. **Tacitus.**—The Histories. *Twice a week.* I; (1 unit). Professor BARTON

109. **Vergil.**—*Twice a week.* I; (1 unit). Professor PEASE

110. **Bibliography and Criticism.**—(Thesis course; the same as Latin 110). *Once a week.* I, II; (1 unit). Professor OLDFATHER, Professor PEASE and others

113. **Plautus.**—*Twice a week.* II; (1 unit). Professor OLDFATHER

116. **Latin Satire.**—*Twice a week.* II; (1 unit). Professor CANTER

COMMERCIAL LAW

(See BUSINESS ORGANIZATION AND OPERATION.)

DAIRY HUSBANDRY

Professors RUEHE, FRASER, PRUCHA, GAINES; Assistant Professors OVERMAN, YAPP, NEVENS, AMBROSE, BRANNON; Mr. CAMPBELL, Mr. STIRITZ, Mr. TRACY, Mr. SANMANN, Mr. DAVIDSON, Mr. MUNKWITZ.

Courses for Undergraduates

Students looking toward specialization in dairy manufactures are advised to take as promptly as possible the fundamental courses underlying courses in Dairy manufactures, giving particular attention to: Economics 1 and 3, Accountancy 11, Bacteriology 1, Chemistry 9-9c. They are also advised to consult the department of dairy husbandry before registration.

1. **Milk Testing.**—Babcock test; tests for purity and adulteration; lactometer; tests for acidity, moisture, and salt; qualitative separation of milk into its components, and a brief study of the components; significance of the composition of milk. Lectures; recitations; problems; laboratory. I or II; (3). Assistant Professor OVERMAN Mr. SANMANN

2. **Dairy Cattle.**—Judging, breeding, and feeding; dairy type and its relation to production; herd improvement; history, characteristics, and adaptability of breeds; feeding for growth and production; herd management. Lectures; recitations; laboratory. II; (5).

Assistant Professor YAPP, Assistant Professor NEVENS, Mr. CAMPBELL

Prerequisite: Dairy Husbandry 24; Animal Husbandry 8 and 21, or their equivalent.

8. **City Milk Supply.**—Production, transportation, plant management, and distribution of milk for city supplies. Lectures, laboratory, and assigned readings. II; (2).

Mr. AMBROSE

NOTE.—It is suggested that course 10 be taken previously.

11. **General Dairy Bacteriology.**—Relation of bacteria to dairy industry. Milk and public health. Principles and practise of milk sanitation. Flavors and changes in milk and milk products. Lectures; assigned reading; reports. II; (2). Professor PRUCHA

12. **General Dairy Bacteriology.**—Bacteriological methods used for milk and milk products. Sources of contamination and means of control. Temperature relations. Pasteurization and sterilization. Laboratory. II; (2).

Prerequisite: Dairy Husbandry 11 or registration therein.

14. **Milk Condensing.**—Making various kinds of condensed milk; processing; milk powder; condensing plants and their equipment. This course requires one inspection trip, costing from \$15.00 to \$20.00. Lectures; laboratory. II; (2).

Professor RUEHE, Mr. TRACY

Prerequisite: Dairy Husbandry 1, 5, or 15.

22. **CHEESE MAKING.**—Practise in making the more common varieties of hard and soft cheese. Lectures; laboratory. I; (2). Mr. Ambrose

Prerequisite: Dairy Husbandry 1.

23a-23b. **Investigation and Thesis.**—I, II; (5-10).¹ Heads of Divisions.

24. **Elementary Production and Manufacture of Dairy Products.**—Herd selection and management; the testing and manufacture of the various dairy products. Required of all freshmen in the general curriculum in agriculture. I or II; (3).

Mr. STIRITZ and others

Courses for Advanced Undergraduates and Graduates

4. **Ice Cream Making.**—Mixing and freezing of ice cream, sherberts, and other frozen products, and the physical principles involved; types of freezers; flavoring materials, fillers, and binders; ice cream standards; the theory and practise of artificial refrigeration, and its use in the ice cream plant. This course is accompanied by one inspection trip, costing from \$15.00 to \$20.00. I; (3). Professor RUEHE, Mr. TRACY

Prerequisite: Dairy Husbandry 1 or 5.

5. **Composition of Dairy Products.**—Rapid commercial test; qualitative and quantitative study; the composition of milk proteins and their significance; composition, chemical and physical properties of milk fat and factors influencing them. Lectures; recitations; problems; assigned reading; laboratory. II; (3). Assistant Professor OVERMAN

Prerequisite: Chemistry 9, 13a.

7. **Creamery Buttermaking and Factory Management.**—Types of creameries; raw product received; grading; pasteurization; use of commercial starters; ripening, churning, salting, and working butter; butter composition and scoring; explanation of various physical phenomena in making, packing, and storing of butter, creamery by-products; refrigeration. Creamery location and plans; business management and accounting in various types of creameries. This course is accompanied by one inspection trip costing from \$15.00 to \$20.00. Lectures; laboratory. II; (5). Professor RUEHE, Mr. STIRITZ

Prerequisite: Dairy Husbandry 1.

10. **General Dairy Bacteriology.**—A consideration of the relation of bacteria to market milk and milk products including milk beverages, butter, cheese, condensed milk, and ice cream. Lectures, laboratory, assigned reading. I; (4). Professor PRUCHA

Prerequisite: Bacteriology 1 or 5; junior standing.

17. **Advanced Study of Dairy Breeds.**—History; environment; breed characteristics; prominent families and individuals; pedigree work; special studies of inheritance; application of genetic principles to dairy cattle breeding. Lecture, assigned readings, seminar work. I; (2). Assistant Professor YAPP

Prerequisite: Two years of university work; Dairy Husbandry 2, or its equivalent.

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

20. **Economic Problems in Dairy Farming.**—The correct proportions of the productive factors on a dairy farm; magnitude of the investment necessary; importance of wise saving, consuming, and investing; economic problems of country life; what successful dairy farming means to the individual and community; comparative dairying. I; (2).

Professor FRASER

Prerequisite: Junior standing, Economics 1 or 2.

21. **Systems of Dairy Farming.**—A proper balance of the different factors of production on a dairy farm; location; arrangement of fields and buildings; relation of the cow and the herd to profits; how to establish and perpetuate a dairy herd of the highest efficiency; economical crops and rations on a dairy farm; systems of cropping; markets; care and disposal of the product at the greatest profits. A three days' inspection trip is required in this course, the expense of which is about \$24.00. II; (5).

Professor FRASER

Prerequisite: Dairy Husbandry 2.

Courses for Graduates

101. **Economic Milk Productions.**—Efficiency of dairy farms; factors influencing profits. *Twice a week. Both semesters; (1 or 2 units).*

Professor FRASER

104. **Dairy Bacteriology.**—Fermentation in dairy products. *Both semesters; ($\frac{1}{2}$ to 1 unit).*

Professor PRUCHA

105. **Dairy Manufactures.**—Special problems dealing with the manufacture and marketing of dairy products. *Both semesters; ($\frac{1}{2}$ to 2 units).*

Professor RUEHE

106. **Dairy Bacteriology.**—Research on assigned problems. *Both semesters; ($\frac{1}{2}$ to 2 units).*

Professor PRUCHA

107. **Dairy Chemistry.**—Assigned problems. *Once a week. Both semesters; ($\frac{1}{2}$ to 2 units).*

Assistant Professor OVERMAN

108. **Physiology of Milk Production.**—*Once a week. First semester; ($\frac{1}{2}$ to 2 units).*

Professor GAINES

112. **Research.**—Thesis course dealing with special problems. *Both semesters; (1 to 4 units).*

Professors RUEHE, PRUCHA, GAINES, Assistant Professor OVERMAN

DRAWING, GENERAL ENGINEERING

Professor JORDAN, Assistant Professors PORTER, HOELSCHER, MCNEELY; Mr. WATT, Mr. WASHBURN, Mr. HALL, Mr. DUFF, Mr. CROSSMAN, Mr. DIEFENDORF, Mr. LUNDGREN, Mr. BOWMAN, Mr. MAY, Mr. MEIER.

1. **Elements of Drafting.**—Lettering; isometric, oblique and perspective drawing, orthographic projection; machine sketching; working drawings; plates from specifications and models, with tracings. Dimensioned sketches from parts of machines; tracing duplicated in blue print. Time sketches. I or II; (4).

Department Staff

2. **Descriptive Geometry.**—Point, line, and plane; surfaces; intersections and developments. Problems; recitations. I or II; (4).

Department Staff

Prerequisite: Solid Geometry.

4. **Advanced Drafting.**—The application of fundamental principles learned in course 1 to distinct fields of drafting such as architectural, structural, topographic, machine, pictorial, and graphical representations. Emphasis laid upon the use of standard conventions and symbols, current drafting practice, use of handbooks, approved empirical designs and connections, and quick and easy methods of layout. I, II; (4).

Assistant Professor HOELSCHER, Mr. DUFF, Mr. HALL

Prerequisite: General Engineering Drawing 1 or equivalent to be determined by the Department.

21. **Advanced Descriptive Geometry.**—A continuation of course 2, treating higher relations of the point, lines, and plane. Application of descriptive geometry to practical engineering problems. The rotated view as an aid in drafting. Study of the cone, cylinder, convolute, surfaces of revolution, and warped surfaces, involving their intersection in pairs and their developments. Theoretical treatment of the warped surface, and its application in skew bevel gears and in propeller blades. Special problems involving original application of fundamental general principles. II; (2).

Assistant Professors PORTER, MCNEELY

Prerequisite: General Engineering Drawing 1 and 2.

Summer Session

51. Elements of Drafting.—Engineering lettering; orthographic projection; isometric oblique and perspective drawing; machine sketching; working drawings. Lettering; engineering styles and the making of name plates and titles. Mechanical drawing; drawings from specifications and models with tracings. Dimensioned sketches from parts of standard machines; complete working drawings. Blue-print and Van Dykes from tracings. Time sketches of equipment. Text: Miller's Mechanical Drafting. (4). Mr. WATT

52. Descriptive Geometry.—Theory of orthographic projection; the point, line, and plane; the properties of surfaces; tangents; intersections, and developments. Practical problems; recitations and drawing room work. Text: Miller's Descriptive Geometry. Mr. WATT

Prerequisite: Plane and solid geometry.

ECONOMICS

Professors BOGART, ROBINSON, THOMPSON, LITMAN, WESTON; Associate Professors WATKINS, HUNTER; Assistant Professor WRIGHT; Dr. NELSON, Dr. MILLER, Mr. BERMAN, Mr. GERIG, Mr. NORDLIE, Mr. ADAMEK, Mr. BAYLEY, Mr. BRIDGES, Mr. DAVISON, Mr. FARRAND, Mr. GRIFFITH, Mr. HUNT, Mr. HURD, Mr. LONDON, Mr. LOCKLIN, Mr. MCCONAGHA, Mr. McMULLAN, Mr. MUNDHENKE, Mr. SHAW, Mr. SHEPPARD, Mr. STOCKWELL, Mr. TRANT, Mr. TUTTLE, Mr. WOLD, Mr. ZEUCH.

Major: For students in the College of Liberal Arts and Sciences 20 hours, made up of Economics 1 and any other courses in economics for which it is a prerequisite.

Minors: 20 hours in any one or two of the following subjects: history, philosophy, political science, and sociology.

Economics 22 and 26 are open to freshmen without previous requirement.

Economics 1 is the fundamental course in economics. It is prerequisite for most of the advanced courses and students expecting to do advanced work in economics should take it in their sophomore year.

Economics 2, tho open to all students who have had 30 hours of university work, is primarily for students in the Colleges of Agriculture and Engineering and in courses in home economics, chemistry, chemical engineering, and other sciences. It may not be used as a prerequisite for advanced courses in economics except as indicated.

Courses for Undergraduates

1. Principles of Economics.—(See note above preceding the description of courses in economics.) I, II; (5) Professor HUNER and others

Prerequisite: 30 hours of university work.

2. Principles of Economics.—(See note above preceding the description of courses in economics.) I, II; (3). Dr. NELSON, Dr. MILLER, and others

Prerequisite: 30 hours of university work.

3. Money and Banking.—I, II; (3).

Professor WESTON and others

Prerequisite: Economics 1 or 2.

16. Economics of Agriculture.—I; (3).

Assistant Professor WRIGHT

Prerequisite: Economics 1 or 2.

22. The Economic History of the United States.—Open to freshmen only. II; (3).

Professor BOGART and others

25. Economic History of England.—I; (3).

Professor BOGART

Prerequisite: 30 hours of university work.

27. Modern Industry.—Environmental influences affecting commercial and industrial development; products and industries of different countries, especially of the United States. Open to freshmen and sophomores only. I; (3). Mr. LONDON and others

29. Foreign Commerce and Commercial Policies.—II; (3).

Professor LITMAN

Prerequisite: Economics 1 or 2 and junior standing.

55. Economics of Insurance.—Historical development and economic aspects. I; (3). (This course was formerly numbered Economics 33.) Professor ROBINSON

Prerequisite: Economics 1 or 2.

Courses for Advanced Undergraduates and Graduates

8. Foreign Exchange and The Money Market.—II; (3). Professor WESTON
Prerequisite: Economics 1 and 3; senior standing.
9. Advanced Theory and Practise of Banking.—II; (3). Professor WESTON
Prerequisite: Economics 1 or 2 and 3; senior standing.
10. Corporation Finance and Management.—II; (3). Professor ROBINSON, Dr. NELSON and others
Prerequisite: Economics 1 and 3.
11. Industrial Consolidation.—The growth of monopoly. I; (3). Professor ROBINSON, Dr. NELSON
Prerequisite: Economics 10.
13. Marketing and Prices of Agricultural Products.—I; (3). Assistant Professor WRIGHT
Prerequisite: Economics 1 or 2; junior standing.
14. Cooperation in Agriculture.—(Open to junior and senior students of agriculture only.) II; (2). Assistant Professor WRIGHT
Prerequisite: Economics 1 or 2.
15. Financing Agriculture.—(Open to junior and senior students of agriculture only.) II; (3). Assistant Professor WRIGHT
Prerequisite: Economics 1 or 2.
24. Industrial Development of Modern Europe.—II; (3). Professor BOGART
Prerequisite: Economics 1 or 2; junior standing.
31. Organization of Foreign Commerce.—Exporting and importing; ocean transportation; line and charter traffic; institutions for furthering export trade; the consular service; entry of goods; the work of the custom house. II; (3). Professor LITMAN
Prerequisite: Business Organization and Operation 2.
36. Investments.—II; (2). Professor ROBINSON, Dr. NELSON
Prerequisite: Economics 10; Accountancy 1a and 1b; senior standing.
41. Labor Problems and Labor Organization.—I; (3). Associate Professor WATKINS and others
Prerequisite: Economics 1 or 2; junior standing.
42. Labor Legislation.—II; (2). Associate Professor WATKINS and others
43. Personnel Administration.—I; (3). Associate Professor WATKINS and others
Prerequisite: Economics 1 or 2; senior standing.
44. Socialism and Economic Reform.—II; (3). Associate Professor WATKINS
Prerequisite: Economics 1 or 2.
51. Public Finance.—I; (3). Associate Professor HUNTER
Prerequisite: Economics 1.
52. Taxation.—II; (3). Associate Professor HUNTER
Prerequisite: Economics 51.
61. Economic Theory.—I; (3). Professor WESTON, Dr. MILLER
Prerequisite: Economics 1; junior standing.

Courses for Graduates

101. Economic Theory.—*Twice a week.* I, II; (1 unit). Professor WESTON
102. Theory of Money, Credit, and Prices.—*Twice a week.* I; (1 unit). Professor WESTON
104. Foreign Commerce.—*Twice a week.* I, II; (1 unit). Professor LITMAN
105. Public Finance.—The history and theory of public revenue and expenditure. *Twice a week.* I, II; (1 unit). Associate Professor HUNTER
107. The Corporation in Economic Evolution.—*Twice a week.* I, II; (1 unit). Professor ROBINSON
112. Labor Problems.—*Twice a week.* I, II; (1 unit). Associate Professor WATKINS
120. History of Economic Thought.—*Twice a week.* II; (1 unit). Professor WESTON

122. **Economic History of the United States.**—*Twice a week.* I, II; (1 unit).

Professor BOGART

118. **Seminar.**—I, II.

Members of the Staff.

Summer Session Courses

Courses for Undergraduates

S2. **Principles of Economics.**—Text: Ely; *Outlines of Economics*. MTWTFS. Section A, 8; 101 Com. (3). Section B, 9; 204 Com. (3). Section C, 10; 111 Com. (3).

Mr. MILLER, Mr. CRABB

Prerequisite: One year of university work or (for teachers) the permission of the instructor.

Equivalent: Economics 2.

S3. **Money and Banking.**—Money; monetary system of the United States; money and prices; credit and banking; domestic and foreign exchange; banking system of the United States compared with other banking systems. Texts: Holdsworth: *Money and Banking*; Phillips: *Readings in Money and Banking*. MTWTF. Section A, 10; 206 Com. (2½). Section B, 11; 206 Com. (2½).

Mr. BROWN

Prerequisite: Five-hour course in the principles of economics or the permission of the instructor.

Equivalent: Economics 3 when used as a prerequisite.

Courses for Advanced Undergraduates and Graduates

S24. **Industrial Development of Modern Europe.**—Text: Ogg: *Economic Development of Modern Europe*. MTWT, 9; 101 Com. (2).

Professor BOGART

Prerequisite: Economics 1 or 2, junior standing, or the permission of the instructor.

S51. **Public Finance.**—Public expenditures; public revenues, especially taxes; justice in taxation; federal, state and local taxes; war finance. Text: Bogart: *War Costs and their Financing*. MTWT, 10; 101 Com. (2).

Professor BOGART

Prerequisite: Five hour course in the principles of economics, junior standing or the permission of the instructor.

Course for Graduates

S118. **Seminar.**—For graduate students who are writing theses, or are engaged in research work. *Time to be arranged.* (1-2½ units).

Professor BOGART

Prerequisite: Graduate standing.

EDUCATION

Professors CHADSEY, HOLLISTER, CAMERON, MONROE, PAUL; Associate Professors SEYBOLT, NOLAN, MAYS; Assistant Professors BELTING, LYTLE, PHILLIPS; Dr. KRUSÉ, Dr. ODELL, Dr. McCLUSKY, Mr. WILLIAMS, Mr. HILL, Miss STREITZ, Miss ROBINSON, Miss TODD, Mr. TROTH, Mr. SMITH, Mr. CROXTON, Mr. FOSTER, Mr. BRAUCHER, Miss ANDERSON, Miss PHILLIPS, Miss McHARRY, Miss SANKKEE, Miss BOWLUS, Miss BATERTON, Miss BEATTY, Miss McCAMMON, Miss TAYLOR, Mr. KELLEY, Mr. WILEY, Mrs. JOHNSTON, Mrs. MOHLMAN, Mr. SOUDERS, Miss SARGENT, Mr. BROCK, Mr. SEEHAUSEN. *Cooperating in Summer Session:* Professor PHILLIPS.

Major: For students in the College of Liberal Arts and Sciences, 20 hours including educational psychology, history of education, technic of teaching, and principles of secondary education.

Minors: 20 hours made up from either (a) courses in any university subject represented in the high school program; or (b) courses in any or two of the following departments: psychology, sociology, philosophy, and political science.

For the year 1922-23 the teachers' courses offered in the respective departments in the College of Liberal Arts and Sciences and the School of Music will, in the case of seniors, be accepted in the College of Education for the teachers' courses which will be organized later in the College of Education.

A. GENERAL COURSES IN EDUCATION

Introductory Courses

2. History of Education.—(A general survey). I, II; (3). Associate Professor SEYBOLT
Prerequisite: Junior standing.
3. Survey of Modern Educational Problems.—Designed especially for students who are not planning to enter the teaching profession. I, (3). Professor CHADSEY
Prerequisite: Sophomore standing.
6. Principles of Secondary Education.—I, II; (3). Assistant Professor BELTING
Prerequisite: Education 25.
10. Technic of Teaching.—(This course with Education 25 is, by Senate ruling, required of all students who are given the official recommendation of the Appointments Committee for teaching positions in secondary schools). I, II; (3). Assistant Professor BELTING, Dr. ODELL, Dr. KRUSE
Prerequisite: Education 25.
25. Educational Psychology.—(Introductory course). (This course with Education 10 is, by Senate ruling, required of all students who are given the official recommendation of the Appointments Committee for teaching positions in secondary schools). I, II; (3). Professor CAMERON, Dr. KRUSE, Dr. McCLUSKY, Mr. TROTH
Prerequisite: Psychology 1.

Courses for Advanced Undergraduates and Graduates

4. Problems of Educational Administration.—II; (3). Professor CHADSEY
Prerequisite: Senior standing or consent of instructor.
5. Comparative Education.—(Historical). II; (3). Associate Professor SEYBOLT
Prerequisite: Junior standing.
9. Educational Administration in Rural and Village Schools.—II; (2). Dr. ODELL
Prerequisite: Education 10 or consent of instructor.
11. Ancient and Medieval Education.—I; (3). Associate Professor SEYBOLT
Prerequisite: Senior standing.
18. Theory of Educational Measurements.—I; (3). Professor MONROE
Prerequisite: Education 25.
- 20a. Theory of Supervision.—I; (3). Assistant Professor BELTING
Prerequisite: Education 25.
21. Units, Scales, and Standards.—II; (3). Professor MONROE
Prerequisite: Education 18.
27. High School Curricula.—II; (3). Assistant Professor BELTING
Prerequisite: Education 25 or 6 (preferably both).
30. History of American Education.—II; (3). Associate Professor SEYBOLT
Prerequisite: Senior standing; Education 2, or Education 11.
41. Principles of Vocational Education.—II; (3). Associate Professor MAYS
Prerequisite: Junior standing, or consent of the instructor.
42. Auxiliary or Special Education.—I; (2). Professor CAMERON
Prerequisite: Education 25.
43. Mental Tests.—II; (3). Professor CAMERON
Prerequisite: Education 25 or equivalent, and the consent of the instructor.
44. Educational Psychology.—(Laboratory course). I; (3). Professor CAMERON
Prerequisite: Education 25.
45. Advanced Educational Psychology.—I, II; (3). Professor CAMERON
Prerequisite: Education 25.
53. Problems of Industrial Education.—II; (1-3).¹ Same as Ind. Educ. 50. Associate Professor MAYS
Prerequisite: Junior standing, instructor's consent.
54. Problems of Part-time Teaching.—II; (3). Same as Ind. Educ. 54. Associate Professor MAYS

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours as shown here but the number of hours for which he intends to take the course; e.g., not 2-5 but 2, or 3, or 4, or 5.

60. High School Administration.—II; (2). Assistant Professor BELTING
Prerequisite: Education 6 or consent of the instructor.

Courses for Graduates

101. Seminar in Educational Theory.—The philosophical basis of education theory. II; (1 unit). Professor CAMERON
 102. Seminar in History of American Education.—I; (1 unit). Associate Professor SEYBOLT
 104. Seminar in Educational Administration.—II; (1 unit). Professor CHADSEY
 106. Seminar in Secondary Education.—II; (1 unit). Assistant Professor BELTING
 121. Seminar in Educational Measurements.—II; (1 unit). Professor MONROE
Prerequisite: Education 18 or 118.
 124. Seminar in the Theory of Educational Measurement.—II; (1 unit). Professor MONROE
 125. Seminar in Educational Psychology.—Psychology of school subjects. I; (1 unit). Professor CAMERON

Departmental Conference.—All graduate students majoring in education are expected to meet with the departmental staff the second and fourth Mondays of each month 7 to 9 p. m. I, II; (*no credit*).

Summer Session Courses

(The content of these courses is, in general, the same as in the regular session.)

Courses for Undergraduates

- S2. History of Education.—(2½). Associate Professor SEYBOLT
 S10a. Technic of Teaching.—(2). Professor HOLLISTER, Dr. CAMP
 S10b. Class Management Professor HOLLISTER, Dr. KRUSÉ
 S25. Educational Psychology.—(3). Professor CAMERON, Dr. KRUSÉ, Dr. MCLUSKY, Mr. WILLIAMS

Courses for Advanced Undergraduates and Graduates

- S4. Special Problems in Educational Administration.—(1½). Dean CHADSEY
 S6. Principles of Secondary Education.—(3). Professor PHILLIPS
 S7. Visual Education.—(1). Dr. McCLUSKY
 S8. Philosophy of Education.—(2). Dr. KRUSE
 S9. School Building and Sanitation.—(2). Professor HOLLISTER
 S17. The Teacher.—(1). Mr. WILLIAMS
 S21. Supervision of Instruction of Elementary School Subjects.—(2). Dr. CAMP
 S22. High-School Educational Measurement.—(2). Professor MONROE
 S23. Educational Statistics.—(2). Professor MONROE
 S28. The Community and Its High School.—(2). Assistant Professor BELTING
 S30. History of American Education.—(2½). Associate Professor SEYBOLT
 S45. Advanced Educational Psychology.—(2). Professor CAMERON
 S60. High School Administration.—(2). Assistant Professor BELTING

Courses for Graduates

- S101. Seminar in Educational Theory.—(½ unit). Professor CAMERON
 S104. Seminar in Problems in Educational Administration.—(½ unit). Dean CHADSEY
 S106. Seminar in High School Administration.—(½ unit). Assistant Professor BELTING
 S124. Seminar in Educational Research.—(½ unit). Professor MONROE
 S125. Seminar in Educational Psychology.—(½ unit). Professor CAMERON
 S126. Educational Sociology.—(½ unit). Professor HAYES

B. EDUCATIONAL PRACTISE

The courses in educational practise take the place of the courses formerly known as Education 50 and Agricultural Education 50 and are offered both semesters.

Open to seniors in the College of Education and in certain cases with the consent of the instructor to juniors.

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| 1. Athletic Coaching.—I, II; (1-3) ¹ | |
| 2. Athletic Coaching.—I, II; (1-3) ¹ | |
| 3. Athletic Coaching.—I, II; (1-3) ¹ | |
| 4. Athletic Coaching.—I, II; (1-3) ¹ | |
| 5. Agricultural Education.—I, II; (3-5) ¹ | Mr. KELLEY, Mr. WILLEY |
| 6. Botany.—I, II; (5). | Mr. CROXTON |
| 7. Chemistry.—I, II; (5). | Mr. SMITH |
| 8. Civics.—I, II; (5). | Mr. FOSTER |
| 9. Drawing, Art and Design.—I, II; (3-5) ¹ | Miss ANDERSON |
| 10. Drawing Mechanical.—I, II; (3-5) ¹ | Mr. BRAUCHER |
| 11. English.—I, II; (5). | Miss MCHARRY, Miss BEATTY, Miss MCCAMMON |
| 12. French.—I, II; (5). | |
| 13. General Science.—I, II; (5). | Mr. CROXTON |
| 14. Home Economics Education.—I, II; (5). | Miss TODD, Miss ROBINSON |
| 15. History.—I, II; (5). | Mr. FOSTER, Mr. SEEHAUSEN |
| 16. Industrial Education.—I, II; (3-5) ¹ | Mr. BRAUCHER |
| 17. Latin.—I, II; (5). | Miss BOWLUS, Miss SARGENT |
| 18. Manual Training.—I, II; (3-5) ¹ | Mr. BRAUCHER |
| 19. Mathematics.—I, II; (5). | Miss BATTERTON, Miss TAYLOR |
| 20. Music.—I, II; (3-5) ¹ | Miss PHILLIPS |
| 21. Physics.—I, II; (5). | Mr. SMITH |
| 22. Physiology.—I, II; (5). | Mr. CROXTON |
| 23. Zoology.—I, II; (5). | Mr. CROXTON |

C. AGRICULTURAL EDUCATION

50. Teaching. See Educational Practise 5.—Sections will be arranged for the supervision of home projects, class room teaching, observation, and for conferences. I, II; (2-5).¹ Mr. HILL, Mr. KELLEY, Mr. WILLEY

Prerequisite: Education 10 and senior standing.

Required of vocational teachers.

51. Teachers' Course in Agriculture.—I or II; (3).

Prerequisite: Education 10 or 25.

Required of vocational teachers.

Courses for Advanced Undergraduates and Graduates

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|---|---------------------------|
| 90. Rural and Agricultural Education.—I; (3). | Associate Professor NOLAN |
| 91. Agricultural Education.—II; (3-5). ¹ | Associate Professor NOLAN |

Prerequisite: Agricultural Education 50, 51 and senior standing.

Summer Session Courses

(All courses in agricultural education are designed for teacher-training in vocational agriculture, meeting the provisions of the Smith-Hughes Act for Vocational Education.)

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| S1. General Agriculture.—(2). | Mr. REID |
| S50d. Project Supervision.—(3). | Mr. REID |
| S51. Teachers' Course in Agriculture.—(2½). | Associate Professor NOLAN |
| S90. Rural Education.—(2). | Associate Professor NOLAN |

Courses for Advanced Undergraduates and Graduates

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|--|---------------------------|
| S91. Agricultural Education.—(3-5). ¹ | Associate Professor NOLAN |
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¹In registering for a course with variable credit hours, a student must put down on his study list not the possible hours, as shown here, but the number of hours for which he intends to take the course; not 2-5, but 2, or 3, or 4, or 5.

D. HOME ECONOMICS EDUCATION

1. Teachers' Course.—Same as Home Economics 11. Required of all who wish to be recommended to teach Home Economics. I or II; (3). Miss ROBINSON

Prerequisite: Home Economics 6, 29. *Prerequisite or concurrent:* Education 10, Home Economics 5, 10, and for non-Smith-Hughes students, Home Economics 34.

2. Teachers' Course.—Same as Home Economics 13. Required of all who wish to be recommended to teach Home Economics. I or II; (3). Miss TODD

Prerequisite: Junior or senior standing in Home Economics.

3. Practise Teaching.—See Educational Practise 14.

E. INDUSTRIAL EDUCATION

1. Manual Arts.—First Course, I, II; (4). Associate Professor MAYS, Mr. BRAUCHER

2. Advanced Manual Arts.—I; (4). Mr. BRAUCHER

2a. Advanced Manual Arts.—I, II; (4).

Associate Professor MAYS, Mr. BRAUCHER

3. Mechanical Drawing.—The same as General Engineering Drawing 1. I, II.

4. Forge, Pattern Work, and Foundry.—The same as Mechanical Engineering 85 and 86.

5. Machine Shop.—The same as Mechanical Engineering 87.

6. Machine Shop.—The same as Mechanical Engineering 88.

Courses for Advanced Undergraduates and Graduates

50. Problems of Industrial Education.—I, II; (1-3).¹ Associate Professor MAYS

Prerequisite: Junior standing, instructor's consent.

54. Problems of Part-time Teaching.—I, II; (3). Associate Professor MAYS

57. Organization of Shopwork.—I, II; (3). Associate Professor MAYS

16. 61. Supervised Teaching of Manual Arts.—I, II; (5). See Educational Practise

62. History and Organization of Manual Arts.—I, II; (3). Mr. BRAUCHER

E41. Survey of Vocational Education.—Same as Education 41. Extra-mural.

Prerequisite: Age over 21 years. (1-3).¹

E 50. Survey of Industrial Education.—Same as Industrial Education 50. Extra-mural.

E52. Teaching Related Trade Subjects.—(1-3).¹ Extra-mural.

54. E54. Principles and Methods of Part-time Teaching.—Same as Industrial Education Extra-mural.

E54a. Continuation of Industrial Education E54.—Extra-mural.

E56. Teaching Shopwork.—Extra-mural.

Prerequisite: (a) Two years of trade or industrial experience beyond the apprenticeship; (b) Completion of elementary school curriculum. (1-3).¹

Summer Session Courses

S1. Manual Arts.—(2½).

Mr. BRAUCHER

S2. Manual Arts.—(2½).

Mr. BRAUCHER

S8. Manual Arts.—(2½).

Mr. BRAUCHER

S62. History and Organization of Manual Arts.—(2½).

Mr. BRAUCHER

S3. Mechanical Drawing.—(Same as G. E. D. S1).

Mr. BRAUCHER

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5 but 2, or 3, or 4, or 5.

ELECTRICAL ENGINEERING

Professors PAINE, BROOKS¹; Assistant Professors WALDO, KNIGHT, TYKOCINER; Instructors Mr. CHAVANNES, Mr. KRAEHNBUHL; Assistant Instructors Mr. ARCHER, Mr. FAUCETT; Mr. REID, Mr. BROWN, Mr. BULLIONS, Mr. KEENER, Mr. PERKINS, Mr. PRICE.

4. Elementary Electrical Engineering.—Electrical machinery; selection, installation, and operation; distribution of power; motor applications. II; (2).

Prerequisite: Physics 1a-1b, 3a-3b; junior standing.
Assistant Professor KNIGHT, Mr. FAUCETT

8. Electric Currents and Apparatus.—Direct and alternating current circuits and machines; storage batteries. (Especially for students in chemical engineering). I; (3).

Prerequisite: Physics 1a-1b, 3a-3b; registration or credit in Mathematics 7; registration in Electrical Engineering 68.
Assistant Professor KNIGHT, Mr. FAUCETT

11. Direct Current Apparatus.—Generators, motors, distribution circuits; storage batteries. (For students in general and mechanical engineering.) I; (3).

Prerequisite: Physics 1a-1b, 3a-3b; Mathematics 8 or 9.
Mr. BULLIONS, Mr. KRAEHNBUHL

12. Alternating Current Apparatus.—Generators and motors, transformers, distribution systems. (For students in mechanical engineering.) II; (3).

Prerequisite: Electrical Engineering 11, 61; registration in Electrical Engineering 62.
Mr. BULLIONS, Mr. KRAEHNBUHL

25. Direct Current Apparatus.—Laws of electric and magnetic circuits; construction and operation of direct current generators and motors. I; (4).

Prerequisite: Mathematics 9; registration in Electrical Engineering 75 and Physics 44a.
Assistant Professor KNIGHT, Mr. BROWN

26. Alternating Currents.—Mathematical and graphical treatment of periodic currents; phenomena in transmission lines and transformers. II; (4).

Prerequisite: Electrical Engineering 25; Physics 44a; registration in Electrical Engineering 76.
Assistant Professor KNIGHT, Mr. BROWN

35. Alternating Current Apparatus.—Transformers and generators. I; (4).

Prerequisite: Electrical Engineering 26, 76; registration in Electrical Engineering 85.
Professor PAINE, Mr. KEENER

36. Alternating Current Apparatus.—Synchronous, induction, and commutator motors; rotary converters; distributed inductance and capacity; transient phenomena. II; (4).

Prerequisite: Electrical Engineering 35, 36; registration in Electrical Engineering 86.
Professor PAINE, Mr. KEENER

51. Radio Communication.—A mathematical and physical study of the principles of radio telegraphy and telephony; experimental work with radio equipment. I; (3).

Prerequisite: Senior standing in Electrical Engineering.
Mr. BROWN

52. Radio Communication.—Continuation of Electrical Engineering 51. II; (3).
Mr. BROWN

Prerequisite: Electrical Engineering 51.

55. Electrical Design.—Electromagnets and dynamos, direct and alternating; transformers. I; (2).
Assistant Professor WALDO, Mr. CHAVANNES

Prerequisite: Electrical Engineering 26; registration in Electrical Engineering 35.

56. Electrical Design.—Power plant design. II; (4).

Prerequisite: Electrical Engineering 35; Mechanical Engineering 2.
Assistant Professor WALDO, Mr. CHAVANNES

61. Direct Current Laboratory.—Circuits and machines. (For students in general and mechanical engineering.) I; (1).

Prerequisite: Registration in Electrical Engineering 11.
Mr. BULLIONS, Mr. KRAEHNBUHL, Mr. ARCHER, Mr. FAUCETT

62. Alternating Current Laboratory.—Alternating current circuits and machines. (For students in mechanical engineering.) II; (1).

Prerequisite: Electrical Engineering 11, 61; registration in Electrical Engineering 12.
Mr. BULLIONS, Mr. KRAEHNBUHL, Mr. FAUCETT

¹On leave of Absence.

64. **Electrical Engineering Laboratory.**—Testing of dynamos and motors, II; (1).
Mr. PERKINS

Prerequisite: Registration in Electrical Engineering 4.

68. **Electrical Engineering Laboratory.**—Direct and alternating current circuits and machines. I; (1).
Mr. PERKINS

Prerequisite: Registration in Electrical Engineering 8.

71-72. **Electrical Engineering Laboratory.**—The construction of special apparatus or other work approved by the department. (Elective for juniors and seniors.) I, II; (1-3).¹

Prerequisite: Registration in Electrical Engineering 25.

75. **Electrical Engineering Laboratory.**—Direct current laboratory accompanying Electrical Engineering 25. I; (2).
Mr. REID, Mr. KEENER, Mr. PRICE

Prerequisite: Registration in Electrical Engineering 25.

76. **Electrical Engineering Laboratory.**—Flux and E. M. F. waves of alternators. Alternating current circuits, instruments. II; (2).
Mr. REID, Mr. KEENER, Mr. PRICE

Prerequisite: Electrical Engineering 25, 75; registration in Electrical Engineering 26.

85. **Electrical Engineering Laboratory.**—Advanced alternating current testing. I; (2).
Mr. REID, Mr. KEENER, Mr. PRICE

Prerequisite: Electrical Engineering 76; registration in Electrical Engineering 35.

86. **Electrical Engineering Laboratory.**—Advanced alternating current testing. II; (2).
Mr. REID, Mr. KEENER, Mr. PRICE

Prerequisite: Electrical Engineering 85; registration in Electrical Engineering 36.

90. **Lighting.**—Electric lamps and other illuminants, and their effective use; interior wiring; methods of distribution. (For students in architecture.) I (half semester only); (1).
Assistant Professor WALDO

Prerequisite: Junior standing.

92. **Lightning and Wiring.**—(First half of semester same as E. E. 90.) Distribution and fusing. Underwriters' rules; motors. (For students in architectural engineering.) I; (2).
Mr. REID

Prerequisite: Junior standing.

95-96. **Seminar.**—Electrical railroading; illumination; telegraphy; telephony; storage batteries; electric metallurgy. I, II; (1).
Professor PAINE

Prerequisite: Junior standing.

98. **Thesis.**—First semester: preliminary reading and investigation; second semester: completion. I, (no credit); II, (3).

99. **Inspection Trip.**—I; (no credit).

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in electrical engineering presupposes the full undergraduate course in that subject.

101. **Advanced Course in Alternating Currents.**—The theory of Transient Phenomena; polyphase circuits; measuring apparatus. *Twice a week*; I, II; (1½ units).
Professor PAINE

103. **Electrical Design.**—Plans for specified machine or apparatus; or for the arrangement of an electrical plant; or for the installation of such machinery or apparatus. *Twice a week*; II; (1 unit).
Assistant Professor WALDO

105. **Electrical Engineering Research.**—Investigation of electrical phenomena or tests of some electrical machine, or of a plant of such machines. *Twice a week*; I, II; (1 to 3 units).
Professor PAINE

ENGINEERING

(See ARCHITECTURE, CERAMIC ENGINEERING, CIVIL ENGINEERING, DRAWING, ELECTRICAL ENGINEERING, MECHANICAL ENGINEERING, MECHANICS, MINING ENGINEERING, MUNICIPAL AND SANITARY ENGINEERING, PHYSICS, RAILWAY CIVIL ENGINEERING, RAILWAY ELECTRICAL ENGINEERING, AND RAILWAY MECHANICAL ENGINEERING).

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5 but, 2, or 3, or 4, or 5.

THE ENGLISH LANGUAGE AND LITERATURE

(Including RHETORIC, JOURNALISM, PUBLIC SPEAKING, and SCANDINAVIAN)

Professors SHERMAN, DODGE, CLARK, BERNBaum, FLOM, PAUL; Associate Professors SCOTT, JONES, ZEITLIN, WOOLBERT; Assistant Professors BALDWIN, HILLEBRAND, BOYER; Dr. WEIRICK, Mrs. SAUNDERS, Dr. PARRY, Miss KYLE, Mr. LEISY, Dr. BUNDY, Miss SYFORD, Mr. TROUTMAN, Dr. TUPPER, Mr. WRIGHT, Mr. WATSON, Mr. DOLCH, Dr. CAMPBELL, Mr. COLBY, Mr. BRADY, Mr. CLIPPINGER, Mr. CRECRAFT, Miss BUSWELL, Mrs. RINGLAND, Miss FLETCHER, Miss BARBER, Miss KELLEY, Mr. DIFFENBAUGH, Miss NELSON, Mr. OESTERLING, Miss SERGEANT, Mr. LANDIS, Mr. BURGUM, Miss McANALLY, Miss FULLENWIDER, Miss RAND, Mr. RILEY, Mr. SWENEY, Mr. DAVIS, Mr. NELSON, Mr. GRAY, Miss CAMPBELL, Mr. McMINN, Mrs. CARLSON, Mr. HODGSON, Miss PRATHER, Miss KELSO, Miss HARTMAN, Miss WEBSTER, Miss MYERS, Mr. SINCLAIR, Miss DYER, Miss TRIPP, Mr. C. R. ANDERSON, Miss SEYMOUR, Miss PIERCY, Miss HILL, Mr. C. F. ANDERSON, Miss MAPLES. Cooperating in Summer Session: Professor HUNT.

Major in English

Major: 20 hours in English excluding Rhetoric 1-2, English 10, 41-42, and including at least 10 hours in English literature, at least 3 hours in composition,¹ and two courses from the advanced group in English literature.

Minor: 20 hours in either (a) one foreign language; or (b) in any two foreign languages; or (c) in one foreign language and philosophy; or (d) in one foreign language and history.

Major in Journalism

Major: 20 hours in English excluding Rhetoric 1-2, English 10, English 41-42, and Journalism 1-2. At least 10 hours in English literature and 10 in Journalism, including one advanced course in each group.

Minors: 20 hours in (a) history, (b) political science, (c) economics, (d) philosophy, (e) sociology, or (f) one foreign language, or (g) in any two subjects in this list.

A. ENGLISH LITERATURE AND LANGUAGE**Elementary Courses**

1-2. Survey of English Literature.—(Credit is not given for either semester separately, nor for the course in addition to course 10-11 or course 20). I, II; (4).

Professor SHERMAN, Assistant Professor BALDWIN, Dr. TUPPER, Dr. PARRY, Mr. COLBY, Mr. DIFFENBAUGH.

Prerequisite: One year of college work.

10-11. Introduction to Literature.—First semester: The forms of poetry. Second semester: The forms of prose literature. (This course is intended only for those who expect to include a considerable amount of literature, in English or in some other language, in their curriculum. Credit is not given for the course in addition to English 1-2 or 20 nor for either semester separately. One semester's work is credited toward a major in English.) I, II; (3).

Professor DODGE, Professor PAUL, Associate Professor JONES, Associate Professor ZEITLIN, Assistant Professor HILLEBRAND, Assistant Professor BOYER, Dr. PARRY, Miss KYLE, Dr. TUPPER, Mr. RILEY.

Prerequisite: The minimum entrance requirements in English.

12-13. American Literature.—(Credit is not given for either semester separately.) I, II; (2).

Professor PAUL, Mr. LEISY

Prerequisite: English 1-2 or 10-11, or junior standing.

20. Chief English Writers of the Nineteenth Century.—The course aims to awaken an interest in literature by presenting the best thought of nineteenth century men of letters on religion, politics, economics, conduct, and social life. For those whose program admits of but one semester's work in English. (Students who have taken English 20 with a grade of B may, however, elect in their second semester English 22, 23, 24, and, in their junior and senior years, may be admitted to other courses in literature with the consent of the instructor.) Credit is not given for the course in addition to English 1-2 or 10-11. I or II; (4).

Assistant Professor BOYER, Dr. PARRY, Dr. WEIRICK, Dr. BUNDY, Dr. TUPPER, Mr. LEISY, Mr. BRADY, Miss SYFORD.

Prerequisite: One year of college work.

¹This requirement may be satisfied by Rhetoric 3, 6, 7, 17, 46; Journalism, 1-2, 9-10, 15-16.

21-22. **Literary Study of the Bible.**—Hebrew literature as an expression of the life of the race that produced it; the debt, both ethical and artistic, of modern life to ancient Hebrew thought. (Either semester may be taken separately). I, II; (3).

Assistant Professor BALDWIN

Prerequisite: Six hours of English literature.

23. **Introduction to Shakespeare.**—I or II; (3).

Professor SHERMAN, Assistant Professor HILLEBRAND, Miss SEYMOUR

Prerequisite: English 1-2 or 10-11, or junior standing.

24. **English Literature of the Victorian Period.**—II; (3).

Miss KYLE

Prerequisite: Six hours of English literature.

29. **English Literature from 1557 to 1688, Exclusive of the Drama.**—I; (3).

Assistant Professor BALDWIN

Prerequisite: Six hours of English literature.

[31. **English Literature from 1688 to 1789.**—II; (3). Not given 1922-1923.

Professor PAUL

Prerequisite: Six hours of English literature.]

33. **English Literature from 1789 to 1837.**—I; (3).

Associate Professor ZEITLIN

Prerequisite: Six hours of English literature.

43. **Browning.**—Intensive reading of the principal poems. I; (3).

Miss KYLE

Prerequisite: Six hours of English literature or junior standing.

44. **Contemporary Poetry.**—II; (3).

Dr. WEIRICK

Prerequisite: Ten hours of English literature or junior standing.

Courses for Advanced Undergraduates and Graduates

Prerequisite: Junior or senior standing and either ten hours of English literature or the consent of the instructor.

3. **The Poetry of Milton.**—Origin, forms, artistic and ethical values; Milton's place in English literary history. II; (3).

Assistant Professor BALDWIN

5. **Shakespeare.**—Intensive study of six plays, with special emphasis on Hamlet. II; (3).

Professor DODGE

25. **Chaucer.**—I; (3).

Associate Professor JONES

26. **Spenser.**—II; (3).

Associate Professor JONES

8-9. **Old English (Anglo-Saxon).**—Grammar; short poems; *Beowulf*. (The first semester may be taken separately.) I, II; (3).

Professor DODGE

17. **History of the English Language.**—The development of its sound system, grammatical forms, and vocabulary, and the principles of its present usage. Undergraduates should obtain the consent of the instructor before registering. II; (3).

Associate Professor ZEITLIN

35. **The English Drama (Exclusive of Shakespeare.)**—From the beginning to 1600. I; (3).

Professor DODGE

[36. **The English Drama (Exclusive of Shakespeare.)**—From 1600 to 1700. II; (3). Not given in 1922-1923.

Professor DODGE]

38. **The Arthurian Tradition.**—The historical Arthur; Celtic influences; Old French Romances (in translation); the tradition in England to the present time, with especial attention to Malory and Tennyson. II; (3).

Dr. PARRY

[39. **Introduction to the Literature of the Middle Ages.**—Classical influences. Principal types; epic, romance, lay, allegory, fabliau, lyric. Important poems, both English and continental, will be read in translation. I; (3). Not given in 1922-1923. Dr. PARRY]

41. **The Teaching of English Literature.**—I; (2). (Not counted toward a major in English).

Professor PAUL

42. **The Teaching of English Composition.**—II; (2). (Not counted toward a major in English).

Professor PAUL

45. **The Development of the Modern Drama.**—Dramatic tendencies in the nineteenth century, both in England and on the Continent; representative reading, and lectures from the standpoint of comparative literature. I; (3). Assistant Professor HILLEBRAND

49. **Literary Treatment of Social and Economic Problems, 1770-1870.**—II; (3). Assistant Professor BOYER

52. **The Great Novelists of the Nineteenth Century.**—Scott, Jane Austen, Dickens, Thackeray, Hawthorne, George Eliot, Meredith, Hardy, Stevenson, etc. I; (3). Professor BERNBAUM

53. **Mathew Arnold.**—A study of his prose and poetry with special reference to the currents of nineteenth century thought. II; (3). Professor SHERMAN

54. **Introduction to Comparative Literature.**—Introductory and comparative survey of the greatest Greek, Latin, Italian, Spanish, French, German, and English authors. The second semester may not be taken separately. I, II; (3).

Professor BERNBAUM, Professor OLDFATHER, Professor McKENZIE; Assistant Professor N. C. BROOKS, Assistant Professor VAN HORNE.

60a-60b. **Thesis.**—Special training in investigation. For candidates for honors, and for other seniors. I, II; (2). Associate Professor ZEITLIN and others

Courses for Graduates

101. **Research in Special Topics.**—Guidance in writing thesis for advanced degrees. I, II; (1 or 2 units).

Professor SHERMAN, Professor DODGE, Professor BERNBAUM, Professor FLOM; Associate Professor SCOTT, Associate Professor JONES, Associate Professor ZEITLIN; Assistant Professor BALDWIN, Assistant Professor HILLEBRAND, Assistant Professor BOYER, Dr. BUNDY.

[102. **A Critical and Bibliographical Survey of English Literature.**—From the Old English period to the nineteenth century. Primarily for candidates for the Master's degree. *Twice a week.* I, II; (1 unit). Not given in 1922-1923.

[110. **Old English (Anglo-Saxon) Poetry.**—*Twice a week.* I; (1 unit). Not given in 1922-1923. Assistant Professor RINAKER] Professor DODGE]

114. **Development of the Essay.**—An examination of the various types of the English essay with references to Continental influences and classical origins. I, II; (1 unit).

Associate Professor ZEITLIN
120. **History and Principles of Literary Criticism.**—Critical standards from Aristotle to Sainte-Beuve. The main types of criticism. I, II; (1 unit). Dr. BUNDY

[128. **Literature of the Sixteenth Century.**—The persistence of certain medieval traditions reinforced by the Revival of Classical Learning; Catholicism, and Calvinism as sources of literary inspiration. *Twice a week.* I, II; (1 unit). Not given in 1922-1923.

Associate Professor JONES]
129. **English Literature from the Norman Conquest to Chaucer.**—II; (1 unit).

Associate Professor JONES]
[135. **Problems in American Literature.**—I, II; (1 unit). Not given in 1922-1923.

Professor PAUL]
[136. **The Transition from the Seventeenth to the Eighteenth Century, 1675-1725.**—The Rise of Classicism. *Twice a week.* I, II; (1 unit). Not given in 1922-1923.

Professor PAUL]
[137. **Prose Writers of the Nineteenth Century.**—Relation of literature to social forces; Mill, Carlyle, Newman, Ruskin, Arnold, Pater, and others. *Twice a week.* I, II; (1 unit). Not given in 1922-1923. Professor SHERMAN]

138. **The Romantic Movement in England.**—I, II; (1 unit). Professor SHERMAN

[139. **The Sonnet Revival in the Eighteenth Century.**—Special topics for investigation and reports with emphasis on methods of research. *Twice a week.* I; (1 unit). Not given in 1922-1923. Assistant Professor RINAKER]

140. **Investigation in Modern English Literature.**—For second and third year graduate students who are preparing theses for the doctor's degree. May be taken in successive years. *Three hours, once a week.* I, II; (1 to 3 units). Professor BERNBAUM

141. **The History of Seventeenth Century English Literature to About the Year 1675, beginning with Shakespeare's Sonnets.**—I, II; (1 unit). Professor BERNBAUM

143. The Origin of the English Novel, and its History to the End of the Eighteenth Century.—The first semester may not be taken separately. I, II; (1 unit).

Professor BERNBAUM

[144. Lincoln's Letters and Speeches.—Development of style, relation to period, textual study, contemporary estimates. II; (1 unit). Not given in 1922-1923.

Professor DODGE]

Summer Session Courses

Courses for Undergraduates

S1a. Survey of English Literature.—Chaucer and his contemporaries, the popular ballads, Malory, the Renaissance, the Reformation, Elizabethan Prose, Spenser, the Elizabethan lyric, Shakespeare, Bacon, Cavalier lyrics, religious lyrics, Milton.

Associate Professor JONES, Mr. RICE

Prerequisite: One year of college work or the equivalent.

Equivalent: First half of English 1. (Together with S1b this course covers the work of English 1. To be credited as equivalent to English 1, S1b and S1a should be taken simultaneously.)

S1b. Survey of English Literature.—Bunyan and the prose of the Puritans, the Restoration, Dryden, Swift, the periodical essayists, Pope and the pseudoclassical school, DeFoe and the novelists, Thomson, Gray, Samuel Johnson, Goldsmith, Cowper, Burns. (2)

Mr. RICE

Prerequisite: One year of college work or the equivalent.

Equivalent: Second half of English 1. (To be credited as equivalent to English 1, S1b and S1a should be taken simultaneously.)

S21. Literary Study of the Bible.—(2).

Assistant Professor BALDWIN

Prerequisite: Six hours of English literature, or junior standing.

Equivalent: English 21 (in part).

S23. Introduction to Shakespeare.—Two Gentlemen of Verona, A Midsummer Night's Dream, Richard III, Romeo and Juliet, Twelfth Night, Othello, King Lear, The Tempest. (2½).

Assistant Professor HILLEBRAND

S3. The Poetry of Milton.—(3).

Assistant Professor BALDWIN

Prerequisite: Ten hours of English literature or two years of college work and the consent of the instructor.

Equivalent: English 3.

S8. Old English. (Anglo-Saxon).—Grammar, with specimens of prose and the shorter poems. (3).

Professor DODGE

Prerequisite: Ten hours of English literature or two years of college work.

Equivalent: English 8.

S35. The English Drama before Shakespeare.—The Miracle and Morality plays. Interludes, Udall, Lyly, Kyd, Marlowe, Peele, Greene. (2).

Professor DODGE

Prerequisite: Ten hours of English literature or two years of college work.

Equivalent: English 35 (in part).

S45. Contemporary European Drama.—(2½).

Assistant Professor HILLEBRAND

Prerequisite: Ten hours of English literature or two years of College work.

Equivalent: English 45 (in part).

Courses for Graduates

S101. Research in Special Periods.—Individual conferences arranged with graduate students engaged upon definite pieces of investigation. (1 unit).

Professor DODGE, Associate Professor JONES, Assistant Professor BALDWIN, Assistant Professor HILLEBRAND, Dr. BUNDY.

S120. History of Literary Criticism.—(1 unit).

Dr. BUNDY

S128. English Literature in the Sixteenth Century.—(1 unit).

Associate Professor JONES

B. RHETORIC

Courses for Undergraduates Only

O. Preparatory Composition.—A course for students who do not pass the preliminary test in Rhetoric 1. Spelling, grammar, punctuation, sentence structure. I or II; (*no credit*).

Associate Professor SCOTT in charge; Miss McANALLY, Mrs. RINGLAND, Miss PRATHES, Miss MYERS.

1-2. Rhetoric and Themes.—Required for students in the colleges of Liberal Arts and Sciences, Commerce, Engineering, and Agriculture. The course is not counted toward a major in English. I, II; (3).

Associate Professor SCOTT in charge; Dr. WEIRICK, Mr. LEISY, Miss KELSO, Miss SYFORD, Dr. CAMPBELL, Miss CRAIG, Mr. COLBY, Miss HARTMAN, Miss BUSWELL, Mrs. RINGLAND, Miss FLETCHER, Miss BARBER, Miss KELLEY, Mr. DIFFENBAUGH, Mr. OESTERLING, Mr. LANDIS, Mr. BURGUM, Miss McANALLY, Miss FULLENWIDER, Miss RAND, Mr. RILEY, Mr. NELSON, Miss CAMPBELL, Mr. McMINN, Mrs. CARLSON, Miss PRATHER, Miss WEBSTER, Miss MYERS, Mr. SINCLAIR, Miss DYER, Miss TRIPP, Mr. C. R. ANDERSON, Mr. C. F. ANDERSON, Miss SEYMOUR, Miss PIERCY, Miss HILL, Miss MAPLES.

3a. Exposition.—I or II; (3).

Assistant Professor HILLEBRAND, Miss KYLE, Dr. BUNDY, Miss FLETCHER
Prerequisite: Rhetoric 1-2.

3d. Description and Simple Narrative.—II; (3).

Prerequisite: Rhetoric 1-2.

Miss KYLE, Mr. COLBY

6-7. Narrative Composition.—Practise in short story writing. (Intended for those who have some aptitude for literary work.) I, II; (3).

Prerequisite: Two years of college work and the consent of the instructor.

Dr. WEIRICK

10. Business Writing.—Correspondence; sales letters; study of current business literature related to letters and to the profession of business. (Not counted toward a major in English). I or II; (2).

Mrs. SAUNDERS, Mr. DOLCH, Mr. CLIPPINGER, Mr. DIFFENBAUGH, Mr. SWENEY, Mr. C. F. ANDERSON, Mr. OESTERLING.

Prerequisite: Rhetoric 1-2.

21. Advanced Business Writing.—Sales letters; circulars; bulletins; study of the structure of articles in current business periodicals and of the technique of business reports; development of material for reports and for magazine articles of a professional nature. I or II; (2).

Prerequisite: Rhetoric 10.

Mrs. SAUNDERS

[22. Summarizing and Briefing.—Summarizing, briefing, and making reports; abstracts of correspondence on file; summarizing of commercial and economic data for the solution of business problems. (For students in the College of Commerce and Business Administration). II; (2). Not given in 1922-1923.

Mrs. SAUNDERS]

Courses for Advanced Undergraduates and Graduates

17. Advanced Composition.—The study of structure; criticism of current periodical literature; development of material for reports and magazine articles. I; (3).

Prerequisite: Two years of college work; the consent of the instructor.

Assistant Professor BOYER

46. Dramatic Composition.—Theory and practise. II; (3).

Prerequisite: Junior standing; the consent of the instructor.

Assistant Professor HILLEBRAND

Summer Session

Courses for Undergraduates

S1. Rhetoric and Themes.—U. H. (3).

Prerequisite: Entrance credit in English.

Equivalent: Rhetoric 1.

Mr. BRADY, Mr. DAVIS, Mr. DIFFENBAUGH, Mr. HARWOOD

S2. Rhetoric and Themes.—(3).

Mr. BRADY, Mr. SECORD

Prerequisite: Rhetoric 1.

Equivalent: Rhetoric 2.

S3. Exposition.—(3).

Dr. BUNDY

Prerequisite: Rhetoric 1-2.

Equivalent: Rhetoric 3.

S6. Narrative Composition.—(3).

Mr. DOLCH

Prerequisite: Two years of college work and the consent of the instructor.

Equivalent: Rhetoric 6.

S10. Business Writing.—(2).

Mr. DOLCH, Mr. CLIPPINGER

Prerequisite: Rhetoric 1-2.

Equivalent: Rhetoric 10.

C. JOURNALISM

1. The Collecting and Writing of News.—Methods of approach; structure and style; drill in gathering news; exercises and assignments in writing the news-story; the types of newspaper narratives; news values. Six laboratory periods and three lectures a week. I; (3). Mr. DAVIS, Mr. HODGSON

2. The Collecting and Writing of News.—(A continuation of Journalism/1.) Reporting, interviewing, and correspondence; the organization and mechanical details of the newspaper: the work of the press associations. Practise in writing for newspapers. Six laboratory periods and three lectures a week. II; (3). Mr. DAVIS, Mr. HODGSON

21-22. The Collecting and Writing of News.—(For students in athletic coaching.) I, II; (3). Mr. WATSON

Prerequisite: Rhetoric 1-2.

Prerequisite: Journalism 1.

3. Copy-reading and Head-writing.—Training in the reading of copy, re-writing, and the building of headlines. Four hours' work on the desk and two class meetings a week. I; (2). Mr. WATSON

Prerequisite: Journalism 1 and 2, or equivalent experience.

4. Make-up and Editorial Practise.—Training in proof reading, handling correspondence, lay-outs, and art work, type selection, making-up, and editorial supervision. Four hours' work on the desk and two class meetings a week. II; (2). Mr. WATSON

Prerequisite: Journalism 1, 2, and 3, or consent of the instructor.

[7. Making a Country Newspaper.—Primarily for students interested in the publication of country weeklies and small city dailies. Small town conditions; rural news-gathering; country correspondence; circulation; advertising; business efficiency; print-shop equipment. Special investigations. I; (2). Mr. WATSON

Prerequisite: Junior standing.]

8. Agricultural News Writing.—Class exercises; analysis of representative farm journals; lectures; assignments in gathering and preparing material for agricultural and country papers. II; (3). Miss RAND

Prerequisite: Junior standing.

12. Publicity Methods.—I; (2).

Mr. WRIGHT

Prerequisite: Junior standing.

Courses for Undergraduates and Graduates

9-10. Editorials and the Editorial Page.—I, II; (2).

Associate Professor SCOTT

Prerequisite: Junior standing.

15-16. Special and Feature Articles.—I, II; (2).

Associate Professor SCOTT

Prerequisite: Junior standing.

17-18. History and Principles of American Journalism.—I, II; (2).

Associate Professor SCOTT

Prerequisite: Junior standing.

[32. Laws Affecting the Press.—I; (2). Not given in 1922-1923.]

D. PUBLIC SPEAKING

1. Oral Expression.—Theory and practise of oral expression for public and private address; elimination of mannerisms; cultivation of vocal purity and power; development of self-confidence and poise. I or II; (2).

Associate Professor WOOLBERT, Mr. TROUTMAN, Mr. CRECRAFT, Miss NELSON, Miss SERGEANT, Mr. GRAY.

Credit is not given for this course unless it is followed by Public Speaking 2 or 8.

Prerequisite: Rhetoric 1-2.

2. Extemporaneous Speaking.—Theory and practise in coherent and effective organization of original materials, and in composition for practical public speaking; adaptation of speaking manner to subject matter; discussion of topics of current interest. I or II; (2).

Associate Professor WOOLBERT, Mr. CRECRAFT, Miss NELSON, Miss SERGEANT, Mr. GRAY.

Prerequisite: Public Speaking 1.

10. Interpretation.—Oral interpretation of literature. I or II; (2).

Associate Professor WOOLBERT; Mr. TROUTMAN, Miss NELSON, Miss SERGEANT, Mr. GRAY.

Prerequisite: Public Speaking 1.

3. Argumentation.—Theory of argumentative discourse, for the cultivation of ability in meeting the contentions of an opponent, in analytical and constructive thinking; briefing, speech-writing, training in detection of fallacies in popular argument, criticism of the literature of debate; text and exercises. I; (3).

Mr. CRECRAFT

Prerequisite: Public Speaking 1 and 2.

4. Debate.—Application of the principles of argumentation to spoken debate, particularly political and intercollegiate discussions; team competition, adaptation of argument to various types of audience; popular debate; opportunities for practise debates before real audiences. II; (3).

Mr. CRECRAFT

Prerequisite: Public Speaking 3.

5. Persuasion.—The winning of individuals and audiences by means of the written and spoken appeal; a study of the psychological sources of human action; primarily a study in matter, with secondary attention to appropriate platform manner and methods. I; (2).

Associate Professor WOOLBERT

Prerequisite: Public Speaking 1 and 2.

6. Forms of Public Address.—Application of the principle of persuasion to particular types of address; practise in the composition and delivery of legislative, political, commemorative, dedicatory, inaugural, and academic addresses; the sales talk, plea for a client, the college oration, commencement address; lyceum lecture, and after-dinner talk. II; (2).

Associate Professor WOOLBERT

Prerequisite: Public Speaking 5, junior standing.

7. A Study of Orators and Oratory.—The lives, times, and works of distinguished speakers; required readings and reports, chiefly oral in the form of speeches; discussions, topical speeches, and declamations. II; (2).

Associate Professor WOOLBERT

Prerequisite: Public Speaking 1 and 2 or 1 and 10.

8. Dramatization.—Impersonation and the principles of dramatic presentation. I; (2).

Mr. TROUTMAN

Prerequisite: Public Speaking 10, junior standing.

11. Play Producing.—The history and principles of the arts of the theatre and of staging plays. II; (2).

Mr. TROUTMAN

Prerequisite: Public Speaking 8.

12. The Teaching of Speech.—Theories of speech-training; organization of courses; methods of teaching; coaching debate; oratory, theatricals; oral English; standards of criticism. II; (2).

Associate Professor WOOLBERT

Prerequisite: Junior standing and the consent of the instructor.

Summer Session Courses

S1. Oral Expression.—Vocal methods, relation of the voice to the interpretation of thought. (2). Professor HUNT, Miss NELSON

Prerequisite: Rhetoric 1 and 2 or equivalent.

Equivalent: Public Speaking 1.

(Credit is not given for this course unless it is followed by Public Speaking 2, 10, or their equivalents).

S10. Interpretation.—Oral reading of types of literature; extracting the speech values from the printed page. (2). Professor HUNT, Miss NELSON

Prerequisite: Public Speaking 1 or equivalent.

Equivalent: Public Speaking 10.

S2. Extempore Speaking.—Original discussions for improvement of delivery and arrangement of thought and language. (1). Miss NELSON

Prerequisite: Public Speaking 1 or equivalent.

Equivalent: Public Speaking 2 (in part).

S12. Problems in the Teaching of Oral English.—Primarily for high school teachers. (1). Professor HUNT

Prerequisite: The consent of the instructor.

Equivalent: Public Speaking 12 (in part).

F. SCANDINAVIAN LANGUAGES AND LITERATURE

Undergraduate Courses not open to Freshmen

[1a-1b. Elementary Norwegian.—Grammar; conversation; reading of Bjornson's stories. I, II; (3). Not given in 1922-1923. Professor FLOM]

2a-2b. Elementary Swedish.—Grammar; conversation; composition. Easy readings. Elmquist's Swedish Reader. I, II; (2). Professor FLOM

3a-3b. Intermediate Norwegian.—First semester: Ibsen's *Et Dukkehjem*, and Lie's *Fortallinger og Skildringer*. Second semester: Björnson's *En Fallit* and selections from recent writers. I, II; (2). Professor FLOM

Prerequisite: Scandinavian 1 or the equivalent.

[4a-4b. Intermediate Swedish.—Reading of selected works of present-day Swedish writers; lectures. I, II; (2). Not given in 1922-1923. Professor FLOM]

Prerequisite: Scandinavian 2 or the equivalent.

6. Henrik Ibsen.—Lectures; class study of three of the social dramas; parallel reading of three early and three of the later dramas. Archer's translation is used. The lectures will consider especially materials not available in English. II; (2). Professor FLOM]

Prerequisite: Junior standing.

12. Norse Mythology.—Primitive religion; the religious belief of the Norsemen in pre-Christian times; interpretation of the principal myths; the beginnings of literature. I; (3). Professor FLOM

[16. Lectures on Scandinavian Civilization from the Stone Age to 1000 A.D.—Special emphasis upon relation to the early civilization of Western Europe. II; (2). Not given in 1922-1923. Professor FLOM]

Prerequisite: Junior standing.

14. History of Old Norse Literature.—Mythical lays, the court poetry, the sagas, the ballads. I; (2). Professor FLOM

Prerequisite: Junior standing and Scandinavian 12 or English 8 or German 27a.

Courses for Graduates

Preparation for graduate work in the Scandinavian languages or literature must include a reading knowledge of one of the Scandinavian languages and systematic work in the undergraduate courses in Scandinavian or their equivalent. Any graduate student in language may, however, be admitted to the purely philological courses.

101. Old Norse.—Introduction to the language as a member of the Germanic group. Reading of the *Prose Edda* in part. I, II; (1 unit). Professor FLOM

[110. Advanced Old Norse.—A critical study of the lays of the *Elder Edda*. I, II; (1 unit). Not given in 1922-1923. Professor FLOM]

150. Research.—Special problems in Scandinavian philology or literature. II; ($\frac{1}{2}$ to 1 unit). Professor FLOM

ENTOMOLOGY

Professors METCALF, MACGILLIVRAY; Assistant Professors FOLSOM (on leave), BALDUF; Dr. GLASGOW, Mr. KING, Mr. FRISON.

Major: 20 hours from courses offered in the department, except Entomology 1, 2, and 16.

Minors: 20 hours in not more than three of the following: zoology, botany, physiology, chemistry, horticulture, and agronomy.

Beginning courses open to freshmen and without prerequisite are 1 and 16. Course 1, while complete in itself, is closely correlated with 2 to form a unified year's work; and 1 and 2 together are prerequisite for all other courses in the department, except 16. These may be followed by any of the other courses for undergraduates or by 20 or 21 in the senior year. Students preparing for service as economic entomologists should take as many of the courses offered as possible, and should consult the suggested curriculum in economic entomology on page 100.

1. Introductory Entomology.—An introduction to the habits, life histories, structure, physiology and classification of insects, followed by a comprehensive survey of their importance to all forms of human activity. The recognition and control of the more important pests of field, garden, orchard, greenhouse, and ornamental plantings, stored products, the household, domestic animals and man.

Certain laboratory periods will be used for field trips at students' expense for transportation. Students are required to prepare an insect collection and those desiring to collect specimens in advance should get printed instructions from the department. I or II; (3). Professor METCALF, Assistant Professor BALDUF, Dr. GLASGOW

2. General Entomology.—A comprehensive study of insects as a class and to illustrate important biological theories. Morphology, development, behavior, habitats, adaptations and interrelations of insects. Characters of the orders and of the more important families and species, with practise in the determination of specimens and in the preparation of a systematic collection.

This course follows Entomology 1 as a unified and closely correlated year's work to give an appreciation of the phenomena of life as illustrated by insects, an enlarged viewpoint, and a basis for advanced courses or special study in entomology. I or II; (3).

Professor MACGILLIVRAY, Assistant Professor BALDUF, Dr. GLASGOW

Prerequisite: Entomology 1.

3. Systematic Entomology.—Planned to give a wide acquaintance with the kinds of insects. Principles of modern taxonomy, systems of classification, codes and rules of scientific nomenclature, priority and terminology; the bibliographies, indexes and literature of systematic entomology; practise in collecting, arranging, labeling, identifying and describing insects. Lectures and laboratory. I; (5). Assistant Professor BALDUF

Prerequisite: Entomology 1 and 2.

7a-7b. Insect Morphology.—Comparative morphological studies of comprehensive series of homologous parts of insects and their appendages, showing derivation of specialized types of structures from the generalized; terminology and identification of parts. I, II; (3). Professor MACGILLIVRAY

Prerequisite: Entomology 1 and 2.

8a-8b. Pests of Special Groups.—Designed to give students of biology, agriculture, and home economics an expert knowledge of the insects affecting their success in a particular profession or vocation. The work of a given semester will be chosen from the following groups to meet the needs of the students registered: Insect pests of field or staple crops; garden or truck crops; fruits; greenhouse and ornamental plantings; stored cereals and other products; the household. Field, laboratory and reference work; discussions. I, II; (3). Professor METCALF, Assistant Professor BALDUF, Dr. GLASGOW

Prerequisite: Entomology 1 and 2.

14. Medical and Veterinary Entomology.—How insects, mites, ticks, and related forms affect the health of man, and of other animals. Arthropods which cause or disseminate disease. Recognition and control; special technique; practical problems. Lectures; demonstrations; assigned reading; laboratory; field studies. I; (4). Dr. GLASGOW

Prerequisite: Entomology 1, 2.

16. Apiculture.—Beekeeping as a pursuit. The anatomy, development, life history, physiology and behavior of the honey bee. The colony, its organization, environment and economy. Fundamentals of apiary practise: management, manipulations, wintering, control of bee diseases and enemies, production and marketing. Lectures, laboratory and practice in beekeeping. II; (2). Mr. KING

22. Entomotaxy.—Methods and technique useful in entomological study and research. Collecting, rearing, preserving, and mounting; fixing, embedding, sectioning, staining, and hermetic sealing in glass. Entomological records, manuscript and illustrations. For students expecting to major in entomology, and prospective teachers of biology. II; (5). Dr. GLASGOW

Prerequisite: Entomology 1, 2.

Courses for Advanced Undergraduates and Graduates

6. Special Problems.—Open to seniors ready to take up some special investigation which may be completed as an undergraduate study, or be a beginning of a thesis problem for an advanced degree. Instruction to meet the needs of the student. I or II; (2 to 5). All Instructors.

Prerequisite: Any one of the following: Entomology 3, 7, 8, 10, 11, 14, 17, 20, 21, or 22; senior standing.

10a-10b. Taxonomy of Immature Insects.—External anatomy of nymphs, larvae, and pupae; terminology of parts; identification of specimens. I, II; (3). Professor MACGILLIVRAY

Prerequisite: Entomology 7; senior standing.

11a-11b. Classification of Coccidae.—Preparation and mounting of scale insects for study; study of anatomical details; terminology of parts; identification of specimens. I, II; (3). Professor MACGILLIVRAY

Prerequisite: Entomology 7; senior standing.

[17a-17b. Insect Organogeny.—Structure and physiology of the more important systems of organs of immature and adult insects. I, II; (3). Not given 1922-1923. Professor MACGILLIVRAY

Prerequisite: Entomology 7; senior standing.]

20. Insect Control.—An intensive study of practical control measures and the principles upon which they are based: spraying, dusting, fumigating, inspecting; mechanical measures; legislation; farm practices; and the use of natural enemies. Intended to anticipate the requirements and difficulties encountered in practical agricultural, entomological and horticultural work. I; (4). Professor METCALF

Prerequisite: Entomology 1 and 2; senior standing.

21. Insect Bionomics.—For the advanced student of entomology or general biology. An intensive survey of the Class Insecta and the literature: insect food, life-histories, habitats, behavior, methods of protection, adaptations, interrelations, natural enemies, distribution and dispersal. II; (3). Assistant Professor BALDUF

Prerequisite: Entomology 1 and 2; senior standing.

Courses for Graduates

The prerequisite for graduate work in entomology is two years of undergraduate biology, including zoology. Entrance on major work in entomology requires Entomology 1 and 2, or equivalent.

102. Research in the Morphology and Embryology of Insects.—*Both semesters. One or two units.* Professor MACGILLIVRAY
107. Insect Anatomy.—*Both semesters. One-half unit.* Professor MACGILLIVRAY
108. Research in Economic Entomology.—*Both semesters. One or two units.* Professor METCALF
109. Research in Systematic Entomology.—*Both semesters. One or two units.* Professor MACGILLIVRAY
110. Research in the Biology and Ecology of Insects.—*Both semesters. One or two units.* Professor METCALF

Summer Session Courses

Courses for Undergraduates

- S1. General Entomology.—Introduction to the study of insects in the field and laboratory. (3). Dr. GLASGOW
- S4. Economic Entomology.—(3). Assistant Professor BALDUF

Courses for Advanced Undergraduates and Graduates

- S2. Advanced Entomology.—Instruction to meet the needs of the individual student. (2 or 3). Assistant Professor BALDUF, Dr. GLASGOW

Courses for Graduates

- S108. Research in Entomology.—Accepted for credit toward a master's or doctor's degree. *One or two units.* Professor METCALF

FARM MECHANICS

Professor LEHMANN; Assistant Professor SHAWL; Mr. SCHOLL, Mr. Hedgcock, Mr. KELLEHER.

1. Elementary Farm Mechanics.—Basic principles of mechanics, heat, and electricity, as applied to farm buildings, machinery, and general agricultural problems. Laboratory exercises include: rope work, soldering, babbiting, belt lacing, pipe fitting, shop practise, etc. I or II; (3). Mr. SCHOLL, Mr. HEDGCOCK, Mr. KELLEHER

2. Field and Power Machinery.—Adaptability, construction, principles of operation, adjustment, troubles, purchase, and care of field and belt driven machines for soil, seed, and feed preparation, and for seeding, cultivating, harvesting, and handling farm crops. Lectures, recitations, laboratory practise, I; (3). An inspection trip estimated to cost \$20.00 is required in this course. Assistant Professor SHAWL, Mr. HEDGCOCK

Prerequisite: Farm Mechanics 1.

3. Gas Engines and Tractors.—Internal combustion engines and tractors, theory, ignition, operation, and economy-practise in adjustments, troubles, and testing. Lectures; quizzes; laboratory. II; (3). Assistant Professor SHAWL

Prerequisite: Farm Mechanics 1.

4. Farm Buildings.—Construction materials; construction, arrangement, design, and cost estimation of machine sheds, granaries, cribs, silos, poultry houses, swine houses, barns, and farm residences. Lectures, recitations, and drafting. II; (3). Professor LEHMANN, Mr. KELLEHER

Prerequisite: Farm Mechanics 1.

5. Drainage.—Farm drainage and surveying; chaining, mapping, leveling, designing, setting grade stakes, laying tile. Lectures, field work and drafting. I; (3). Professor LEHMANN, Mr. KELLEHER

11. Dairy Machinery and Equipment.—Dairy equipment, arrangement and materials of construction; types of pumps and principles of operation; kind of power, boilers, steam engines, electric motors, and gas engines; power transmission, electric, belts and shafting; ice houses, cold storage rooms; harvesting ice, its storage, principles of refrigeration and refrigerating systems as applied to dairy manufacturing; water supply; disposal of wastes; scales and conveyers. II; (2). Mr. SCHOLL

Prerequisite: Farm Mechanics 1.

12a-12b. Farm Home Equipment.—Equipment and machinery for the farm home, its relation to health and efficiency. Sanitation; ventilation; water supply, sources, quality, systems; plumbing, principles and construction; privies and septic tanks; house heating, house lighting; and laundry equipment I, II; (2). 12a open only to seniors in Home Economics. Professor LEHMANN

Prerequisite: Farm Mechanics 1 or its equivalent.

17. Harvesting Machinery.—Advanced work in grain harvesting, binders, shockers, stackers, and threshers; corn harvesting, binders, shredders, ensilage cutters; hay harvesting, mowers, rakes, stackers, loaders, balers; special pea and soy bean harvesting machinery. II; (3). Mr. HEDGCOCK

Prerequisite: Farm Mechanics 1 and 2.

18a-18b. Thesis: Farm Mechanics.—I, II; (5). Professor LEHMANN

Prerequisite: 90 hours' credit before the senior year; 20 hours' credit in subjects pertinent to the thesis problem; the approval of the head of the department.

19a-191. Special Problems in Farm Mechanics.—I, II. Consult instructor regarding time and requirements.

19a-19b. Farm Buildings.—I, II; (3 to 5). Professor LEHMANN

Prerequisite: Farm Mechanics 4.

19c-19d. Drainage.—I, II; (3 to 5). Professor LEHMANN

Prerequisite: Farm Mechanics 5.

19e-19f. Field Machinery.—I, II; (3 to 5). Assistant Professor SHAWL

Prerequisite: Farm Mechanics 2.

19g-19h. Home Equipment.—I, II; (3 to 5). Professor LEHMANN

Prerequisite: Farm Mechanic 12.

19i-19j. Power Machinery. Laboratory Testing.—I, II; (3 to 5). Assistant Professor SHAWL

Prerequisite: Farm Mechanics 28.

19k-19l. Power Machinery.—I, II; (3 to 5). Assistant Professor SHAWL

Prerequisite: Farm Mechanic 28.

20. Farm Concrete Construction.—Materials used in concrete construction; mixing and placing; simple comparative tests; specifications and estimates for farm concrete construction. Recitations, laboratory. I; (2). Mr. SCHOLL

28. Advanced Gas Engines and Tractors.—Advanced work in theory construction, ignition troubles, assembly, draw-bar and belt h.p. ratings. Lectures and laboratory. I; (3). (Consult instructor before registering). Assistant Professor SHAWL

Prerequisite: Farm Mechanics 2, 3.

FARM ORGANIZATION AND MANAGEMENT

Assistant Professors CASE, RAUCHENSTEIN; Mr. ROTH.

1. Elementary Farm Management.—The factors of production in the farm business; types of farming, their distribution and adaptation; farm organization, the distribution of capital invested, planning of the farm; farm administration or operation, planning of work, handling of labor, development of management efficiency. Lectures; quiz. Field trips will be required in this course. The class will visit some of the farms included in the cost accounting investigations being carried on by the department. The cost of such trips should not exceed \$3.00 per student. II; (3). Assistant Professors CASE, RAUCHENSTEIN

Prerequisite: Economics 1 or 2; Accountancy 1 or 11. It is also very important that the student have credit or be registered in Agronomy 12, and have at least six hours credit in Animal Husbandry 1b, 2b, 4b, or 11b.

4. Farm Operation.—The application of efficiency principles to the operation of farms; labor and power requirements of crops, livestock, equipment maintenance; standard day's work; labor calendars; systems of production with special reference to the efficient utilization of labor and power. Trips will be required in this course similar to those discussed for the elementary farm management course. 11; (2).

Assistant Professor RAUCHENSTEIN

Prerequisite: Farm Management 1.

5. Farm Organization.—The economic organization of different types of farming with special reference to their financial, physical, and productive organization. Field trips for the purpose of studying the organization and the replanning of certain farms will constitute a part of the work in this course. The cost of these trips should not exceed \$4.00 per student. 11; (3). Assistant Professor CASE, Assistant Professor RAUCHENSTEIN

Prerequisite: Farm Management 1.

FINE ARTS

(See ART AND DESIGN and MUSIC. Attention is also called to the courses in ESTHETICS offered by the departments of PHILOSOPHY, EDUCATION, ARCHITECTURE, and HOME ECONOMICS.)

FLORICULTURE

(See HORTICULTURE.)

FRENCH

(See ROMANCE LANGUAGES AND LITERATURE.)

GEOLOGY

Professors BAYLEY, SAVAGE; Associate Professor QUIRKE (Chairman); Assistant Professors LEIGHTON, BLANCHARD, BEVAN; Mr. YEATON, Miss ASHTON, Dr. SHEPARD, Mr. COX, Mr. BASSETT, Mr. MILTON.

A. GENERAL GEOLOGY

Major: Geology 1 followed by 20 hours of courses that have prerequisites in geology.

Minors: 20 hours selected from courses in any one or two of the following departments: astronomy, botany, chemistry, physics, and zoology, after consultation with the department of geology.

For the convenience of underclassmen in the College of Liberal Arts and Sciences who elect the minimum amount of major work in geology the following sequence of courses is suggested; first year, 1 and 1a; second year, 47, 9, 49, 16, and 19; third year, 23. For those who plan to become professional geologists the following courses should be added: 6, 7, 15, 95, and 96.

Courses for Undergraduates

1. General Geology.—The surface features of the earth with emphasis on their origin and significance; the agencies and processes of geological change; the effects of composition, hardness, and structure of rocks on the evolution of topographic forms; the elements of meteorology and oceanography; the common rocks and minerals. Lectures; laboratory work and quiz; two field trips. (Students who have had Geography 1, will receive only three hours' credit.) I or II; (5).

Professor SAVAGE, Associate Professor QUIRKE, Assistant Professor LEIGHTON, Assistant Professor BEVAN, Mr. YEATON, Dr. SHEPARD, Mr. BASSETT.

1a. Historical Geology.—The evolution of the earth and its life. Lectures; laboratory (continuing course 1). I or II; (3).

Assistant Professor BEVAN

Prerequisite: Geology 1.

20. General Mineralogy.—Study of the most common minerals of economic and scientific importance; blowpipe analysis. (Primarily for engineers and chemists.) Quiz; laboratory. I or II; (3).

Mr. YEATON

Prerequisite: Chemistry 1 and 2a or equivalent.

19. Field Work.—Geologic study and mapping of an area in the Ottawa District of Illinois during the week following the Easter recess, credit being given only upon completion of a satisfactory written report. Expenses will be about \$35.00. II; (2).

Assistant Professor BEVAN

Prerequisite: Geology 1a.

92. Mineral Resources.—II; (2).

Mr. YEATON

Prerequisite: Geology 1 or Geography 1.

43. Engineering Geology.—The general principles and broader facts of geology from the engineering viewpoint. Discussions; laboratory. II; (3).

Dr. SHEPARD

Prerequisite: Freshman work in the College of Engineering.

9. Invertebrate Paleontology.—The more important fossil groups in biological sequence. Lectures; laboratory. I; (3).

Professor SAVAGE

Prerequisite: Geology 1a.

16. Stratigraphy.—Fossil faunas, with special reference to Paleozoic invertebrates; correlation and stratigraphy. II; (3).

Professor SAVAGE

Prerequisite: Geology 9.

47. Systematic Mineralogy.—Identification of common minerals (mainly nonsilicates) by physical tests and crystal form. Crystallography, principles of classification. Lectures; laboratory. I; (3).

Professor BAYLEY, Mr. YEATON

Prerequisite: Chemistry 1 and 2 or equivalent, and except for mining and chemistry students, Geology 1a.

48. Silicate Minerals and Rock Study.—(A continuation of Geology 47.) The silicate minerals and microscopic study of rocks. Quiz; laboratory. II; (3).

Professor BAYLEY, Mr. YEATON

Prerequisite: Geology 47.

Courses for Advanced Undergraduates and Graduates

6. Optical Mineralogy.—Introduction to the microscopic study of minerals, by means of their behavior in polarized light. Two lectures; four hours of laboratory. I; (3).

Professor BAYLEY

Prerequisite: Geology 48.

7. Petrography.—The principles learned in Geology 6 applied to the study of rocks. The different types of rocks; their origin and classification. Study of representative suites of specimens in the hand specimen and thin section. II; (3).

Professor BAYLEY

Prerequisite: Geology 6.

23. Physiography of the United States.—An interpretative study of the physiographic development of the United States by provinces, followed by general correlative studies and consideration of the problems awaiting research. Lectures; discussions; reference reading; and mapwork. II; (3).

Assistant Professor LEIGHTON

Prerequisite: Geology I, 1a.

95. Economic Geology.—The nature, occurrence, origin, and uses of coal, oil, building stones, and bedded deposits of economic importance. Lectures; quizzes; and laboratory. I; (3).

Professor BAYLEY

Prerequisite: Geology 1a or 43 and 20 or 48.

96. Economic Geology.—The nature, occurrence, and origin of metaliferous deposits; theories of ore deposition. II; (3).

Professor BAYLEY

Prerequisite: Geology 1a or 43 and 20 or 48.

15. Structural and Metamorphic Geology.—Rock deformation and its results. Lectures and laboratory work. I; (3).

Associate Professor QUIRKE

Prerequisite: Geology 48, 19, and Senior standing.

60a-60b. Thesis.—A course of study under the immediate guidance of a member of the staff, designed for those who wish to qualify for high honors in Geology. I, II; (2).

Professor SAVAGE

Courses for Graduates

For graduate work in geology the student must have a thoro training in the principles of the science, (except in unusual cases, which will be decided on their merits); at least 20 hours of geology and two or more weeks of field experience will be required. Graduate students with adequate technical preparation in other sciences may be admitted to graduate courses in certain subjects, such as crystallography. Courses 6, 7, 15, 60, 23, may be offered as graduate work by students who have other credits for at least 20 hours of geology.

101. **Advanced Crystallography.**—Methods used in measuring, projecting, and calculating crystal forms and determining the physical properties of crystallized bodies. *Twice a week; I, II; (1 unit).* Professor BAYLEY

102. **Igneous Petrography.**—The igneous rocks, identification of types, classification and relationships. Lectures; laboratory. *Twice a week; II; (1 unit).* Professor BAYLEY

142. **Stratigraphic Paleontology.**—The invertebrate index fossils of the successive geologic formations. *Twice a week; I, II; (1 unit).* Professor SAVAGE

151. **Advanced Dynamic Geology.**—A critical analysis of geologic processes and their results; the materials and structure of the earth; problems of geologic interpretations. *Three times a week; I; (1 unit).* Assistant Professor LEIGHTON

152. **Advanced Historical Geology.**—Cosmogony; the record of diastrophism; the development of the continents and oceans; the relationship between oceanic fluctuations and organic differentiation and evolution; physiographic, climatic and organic history. *Three times a week; II; (1 unit).* Professors BAYLEY, SAVAGE; Associate Professor QUIRKE; Assistant Professor LEIGHTON

135. **Research.**—Individual work under the supervision of members of the staff in their respective fields. *Once a week; I, II; (½ to 4 units).* Professors BAYLEY, SAVAGE; Associate Professor QUIRKE

B. GEOGRAPHY

Major: Geography I or Geology I followed by 20 hours of courses that have pre-requisites in geography except that geography 14 may be included.

Minors: 20 hours selected from not more than three of the following subjects; economics, education, history, zoology, and botany.

For students whose major is in geography, the following sequences are recommended: (a) geography 1, 3, 4, 7, 14, 12, 5, and 8 or 53; or (b) geology 1, geography 3, 4, 7, 14, 5, and 8 or 53.

Courses for Undergraduates

1. **Principles of Geography.**—The development and effects of physical features on life; the effects of climate, drainage, natural resources, shape, size, and location, on the home of man; his political, industrial, and social interests. Four hours of lecture; two hours of laboratory; one hour of quiz; one or two field trips. (Students who have had Geology I will receive only three hours' credit.) I or II; (5). Miss ASHTON, Mr. COX

3. **Industrial and Commercial Geography.**—The geographic conditions affecting the industries, production, and commerce of the world; the development and relations of great commercial areas to the location and availability of great resources; markets and transportation routes. Discussions, two hours' laboratory. I or II; (5). Assistant Professor BLANCHARD, Mr. COX

Prerequisite: Geography I or Geology I.

4. **Geography of North America.**—Influences of geographic factors on the countries of North America. Lectures; reading and map study. I or II; (5). Miss ASHTON

Prerequisite: Geography 1 or 3.

7. **Field Geography.**—Local Geography as based upon field work; the influences of topography, drainage, regional location, and natural resources on the economic development of the areas investigated. The field selected for study in 1923 includes parts of southern Illinois. Expenses will be about \$45.00. Week after Easter vacation. II; (3). Assistant Professor BLANCHARD, Miss ASHTON

Prerequisite: Geography 1 or 3.

19. The Teaching of Geography.—Problems in the selection, organization, and presentation of geographic materials in teaching. II; (2). Not given in 1922-23.

Miss ASHTON

Prerequisite: Geography 1, 3 and 4 or 5 or 8.]

12. Geographic Factors in the History of the United States.—Geographic conditions affecting the history of the United States as manifested in the spread of settlement and political control, and in economic and social development. II; (3). Miss ASHTON

Prerequisite: Geography 1 or 3, History 3a and 3b, and junior standing.

14. Weather and Climate.—The atmosphere and its processes; weather and forecasting; causes and distribution of climates. II; (3). Assistant Professor BLANCHARD

Courses for Advanced Undergraduates and Graduates

5. South America.—The world relations of South America; the influence of climate, drainage, topography, size, shape and natural resources of South America, on the settlement and economic development of South American countries. South American countries as markets for foreign trade. I; (3). Assistant Professor BLANCHARD

Prerequisite: Geography 3 and Senior standing.

8. Geography of Europe.—Effect of the physiographic features of Europe on its climate, resources, inhabitants, and their activities. II; (3). Assistant Professor BLANCHARD

Prerequisite: Geography 3 and Senior standing.

53a-53b. Advanced Industrial and Commercial Geography.—I, II; (3).

Assistant Professor BLANCHARD

Prerequisite: Senior standing, Geography 3, and at least one course in regional geography.

Summer Session Courses

Geography

S1. Principles of Geography.—A study of the essential phases of mathematical geography, climate and weather, physiographic processes and the changes they produce, natural resources, and the response of man to each of the above. Lectures, quiz, laboratory; one or two field trips. (Students who have had Geology 1 will receive only three hours' credit). (5). Miss ASHTON

S8. Geography of Europe.—Influence of climate, surface features, and natural resources upon the distribution of peoples, their industries and routes of trade. New boundaries and economic problems in their geographic setting. (2½).

Assistant Professor BLANCHARD

Prerequisite: Geography 1, its equivalent, or on consultation.

S14. Weather and Climate.—Elementary study of the atmosphere, weather conditions, forecasting, with practise in reading instruments and graphing data. Practical aspect of subject emphasized, with particular reference to the influence of weather and climate on man and his industries, especially agriculture. (2½). Assistant Professor BLANCHARD

GERMANIC LANGUAGES AND LITERATURES

Professor GOEBEL; Assistant Professors BROOKS, WILLIAMS, KOLLER; Dr. WADEPCHL, Dr. UHLENDORF, Dr. GEISSENDOERFER, Miss BLAISDELL, Cooperating in Summer Session: Mr. SCHLAUDT.

Major: 20 hours in German, excluding German 1, 2, and 3, and including at least 6 hours in primarily fourth-year courses.

Minors: 20 hours in not more than two subjects chosen from the following list: languages, education, history, philosophy, and psychology, provided that 8 hours must be selected from a language other than German.

First-Year Courses

1. **Elementary Course.**—Grammar and easy reading for beginners. I; (4).
Assistant Professor BROOKS, Assistant Professor WILLIAMS, Assistant Professor KOLLER, Dr. WADEPUHL, Dr. UHLENDORF, Dr. GEISSENDOERFER, Miss BLAISDELL.
Prerequisite: Not open to students who have had high school work in this language.
2. **Narrative Prose.**—Grammar and reading. I; (4).
Dr. GEISSENDOERFER, Miss BLAISDELL
Prerequisite: One year of high school German or German S1, or German 1.
NOTE.—Students who have had no German for one year or more will be required to take a written test before entering German 2. This will be regarded as a *test of present ability in German* and not as an examination on any particular course previously taken in this subject.
3. **Narrative Prose.**—(Continuation of German 1.) Reading and grammar. II; (4).
Assistant Professor BROOKS, Assistant Professor WILLIAMS, Dr. WADEPUHL, Dr. UHLENDORF, Dr. GEISSENDOERFER.
Prerequisite: German 1 or equivalent demonstrated by examination.

Second-Year Courses

4. **Prose Reading.**—Selections from standard prose writers; sight reading; composition. I or II; (4).
Assistant Professor BROOKS, Assistant Professor WILLIAMS, Dr. WADEPUHL, Dr. UHLENDORF, Dr. GEISSENDOERFER, Miss BLAISDELL.
Prerequisite: German 2 or 3, or two years of high school German, or equivalent demonstrated by examination.
5. **Narrative and Historical Prose.**—At the option of the instructor a classic in verse may also be read. Composition. I or II; (4).
Assistant Professor BROOKS, Assistant Professor WILLIAMS, Dr. UHLENDORF
Prerequisite: German 4, or three years of high school German, or equivalent demonstrated by examination.
6. **Scientific German.**—The rapid reading of works of a general scientific character. Section A is primarily for students in the curricula in chemistry and chemical engineering. (Parallel with 5. Students may not take both 5 and 6 for more than a total of four hours' credit without special permission of department.) I or II; (4).
Assistant Professor KOLLER, Dr. WADEPUHL, Dr. GEISSENDOERFER
Prerequisite: German 4, or three years of high school German, or equivalent demonstrated by examination.

Third-Year Courses

7. **Modern Fiction.**—(Intended primarily for students who take 5 in the first semester. Not open to those who have had any course more advanced than 5.) II; (3).
Assistant Professor BROOKS
Prerequisite: German 5 or equivalent.
10. **Introductory Goethe Course.**—Study of Goethe's life with reading of works illustrating different periods of his development. II; (3). Assistant Professor BROOKS
Prerequisite: Two and one-half years of college German or equivalent.
14. **Introductory Schiller Course.**—Study of Schiller's life illustrating different periods of his development with reading of dramas, lyrics, and ballads. I; (3).
Assistant Professor BROOKS
Prerequisite: German 5, or equivalent.
16. **Elementary Composition and Conversation.**—I; (2).
Assistant Professor KOLLER
Prerequisite: German 5 or equivalent.
17. **Intermediate Composition and Conversation.**—II; (3).
Assistant Professor KOLLER
Prerequisite: German 16.
- [23. **German Novel.**—Rapid reading of representative novels, beginning with Goethe's *Werther*. Assigned readings. II; (3). Not given in 1922-1923. Assistant Professor KOLLER
Prerequisite: Two and one-half years of college German or equivalent.]

24. Modern German Drama.—Rapid reading of dramas by Grillparzer, Hebbel, Hauptmann, and others. I; (3). Dr. WADEPUHL

Prerequisite: German 5 or equivalent.

28a-28b. German Lyrics and Ballads.—Their form, development, and various types; the *Volkslied* of the eighteenth and nineteenth centuries and its influence. First semester: the early eighteenth century and the classical period. Second semester: the nineteenth century. I, II; (2). Assistant Professor WILLIAMS

Prerequisite: (For 28a): German 5, or equivalent, and sophomore standing.

Courses for Advanced Undergraduates and Graduates

NOTE.—For a major in German students are required to take at least six hours of these primarily fourth-year courses; seniors who are preparing to teach German should take German 29.

8. Schiller.—The life of Schiller; *Wallenstein*, and other selections. II; (3).

Dr. WADEPUHL

Prerequisite: Three years of college German or equivalent.

19a-19b. Goethe's Faust.—The Faust legend and early Faust books and plays; the genesis of Goethe's Faust; reading of both parts. I, II; (3). Professor GOEBEL

Prerequisite: (For 19a): three years of college German or equivalent.

[25. Teacher's Course.—Not given in 1922-1923. Assistant Professor KOLLER]

26a. German Literature to the End of the Reformation.—Lectures; recitations; reports on assigned reading. I; (3). Professor GOEBEL

Prerequisite: Three years of college German or equivalent.

26b. German Literature Since the Reformation.—Lectures; recitations; reports on assigned collateral reading. II; (3). Professor GOEBEL

Prerequisite: German 26a.

[27. Lessing.—Not given in 1922-1923.]

29. Advanced Composition.

Dr. UHLENDORF

30a-30b. Senior Thesis.—(Intended primarily for candidates for honors in German, but open to other seniors.) I, II; (1 or 2). Professor GOEBEL and others

Prerequisite: Senior standing and three years of college German or equivalent.

31. Middle High German.—I; (3).

Professor GOEBEL

Prerequisite: Senior or graduate standing; three years of college German.

[32. History of German Civilization.—Readings; lectures; discussions. I; (3). Not given in 1922-1923. Assistant Professor BROOKS]

33a. Honor Course.—I, II; (2).

Professor GOEBEL and others

Prerequisite: Three years of college German or equivalent.

[39a-39b. Goethe and Schiller.—Interpretation of Goethe's poems. Goethe's *Tasso*; Schiller's *Ueber naive und sentimentalische Dichtung*. I, II; (2). Not given in 1922-1923. Professor GOEBEL]

Courses for Graduates

Students desiring to take German as a major should have completed a four years' course of undergraduate study in German, corresponding to the four years' course at this University, and should be familiar with the principal works of the writers of the classical and modern periods of German literature, show a general knowledge of the history of German literature, and be able to follow lectures in the German language.

A reading knowledge of Latin and French is required. It is desirable that candidates for the degree of Ph.D. have some knowledge of Greek. All students are expected to have had a course in German history.

101. Seminar in Germanic Philology.—Training in original research; results of special value may be published in the *Journal of English and Germanic Philology*. Once a week; I, II; (1 unit). Professor GOEBEL

103. Introduction to the Historical Study of the Germanic Languages.—History of German philology; comparative grammar of the Old Germanic dialects. Lectures; discussions of special topics. *Twice a week; II; (1 unit)*. Professor GOEBEL

[104. Gothic.—Grammar and literature. *Twice a week; I; (1 unit)*. Not given in 1922-1923. Professor GOEBEL]

[105. Old High German.—Grammar and interpretation of the oldest literary documents. *Three times a week; II; (1 unit)*. Not given in 1922-1923. Assistant Professor WILLIAMS]

[109. Goethe's and Schiller's Philosophy.—*Twice a week; I, II; (1 unit)*. Not given in 1922-1923. Professor GOEBEL]

[110. Early German Drama.—*Twice a week; I; (1 unit)*. Not given in 1922-1923. Assistant Professor BROOKS]

[113. German Literature of the Fifteenth and Sixteenth Centuries.—*Twice a week; II; (1 unit)*. Not given in 1922-1923. Assistant Professor BROOKS]

[115. History of German Literature of the Nineteenth Century.—*Twice a week; I, II; (1 unit)*. Not given in 1922-1923.]

[116. Medieval German Literature with Reference to Political, Religious, and Social History.—Research. *Twice a week; I; (1 unit)*. Not given in 1922-1923.]

[117. History of German Literature During the Eighteenth Century.—*Twice a week; I, II; (1 unit)*. Not given in 1922-1923. Professor GOEBEL]

[118. The German Drama Since Schiller.—*Twice a week; I, II; (1 unit)*. Not given in 1922-1923.]

[119. The German Novel.—Research. *Twice a week; I, II; (1 unit)*. Not given in 1922-1923.]

121. Walter von der Vogelweide.—*Twice a week; II; (1 unit)*. Professor GOEBEL

[121a. The Nibelunglied.—Lectures and interpretations. *Twice a week; II; (1 unit)*. Not given in 1922-1923. Professor GOEBEL]

[121b. Gudrun.—Lectures and interpretations. *Twice a week; II; (1 unit)*. Not given in 1922-1923. Professor GOEBEL]

[126. Herder and his Relations to European Literature.—*Twice a week; I, II; (1 unit)*. Not given in 1922-1923. Assistant Professor KOLLER]

Summer Session Courses

Courses for Undergraduates

Assistant Professor WILLIAMS; Dr. UHLENDORF, Mr. SCHLAUDT.

(4). S1. Beginners' Course.—Schmidt and Glucke's *Das erste Jahr Deutsch* (Heath). Assistant Professor WILLIAMS

Equivalent: German 1 or one year of high school German.

S3. Reading and Grammar.—(Continuation of beginners' course). (4).

Mr. SCHLAUDT

Prerequisite: German 1, S1 or one year of high school German.

Equivalent: German 3 or two years of high school German.

S4. Prose Reading.—Narrative prose, sight reading, writing. (4).

Dr. UHLENDORF

Prerequisite: German 3 (or 2), or two years of high school German, or equivalent.

Equivalent: German 4.

S16. Conversation and Composition.—Elementary course. (1). Dr. UHLENDORF

Prerequisite: German 5 (or 6), or equivalent.

Equivalent: German 16 (in part).

S24. Modern German Drama.—Rapid reading. (1½).

Assistant Professor WILLIAMS

Prerequisite: German 5 (or 6), or equivalent.

Equivalent: German 24 (in part).

GREEK

(See CLASSICS.)

HISTOLOGY

(See PHYSIOLOGY.)

HISTORY

Professors LARSON, GREENE, LYBYER, OLMSTEAD, ROBERTSON; Associate Professor JONES; Assistant Professors PEASE, DIETZ, RANDALL; Dr. SWAIN, Dr. DUNBAR, Dr. GOTTSCHALK, Dr. ROBERTS, Mr. HARPER, Mr. SULLIVAN, Mr. HYDE. *Cooperating:* Professors OLDFATHER, RAMSDELL.

Major: 20 hours, excluding History 1a and 2a, and including (a) either History 1b or 2b; (b) six hours selected from courses for advanced undergraduates and graduates; and (c) any other courses offered in the department.

Minors: 20 hours, selected from two of the following subjects including either Economics 1 or Political Science 1 and 3: economics, political science, law, sociology, English and American literature, history of education, philosophy, and geography. Courses in any foreign language may be accepted in satisfaction of this requirement, if the student can show his ability to read ordinary historical prose in that language.

Courses for Undergraduates

1a-1b. Continental European History.—Europe from the fifteenth century to the present time. (Either semester may be taken separately.) I, II; (4 or 3)¹.

Associate Professor JONES, Dr. GOTTSCHALK, Dr. SWAIN, Dr. DUNBAR, Dr. ROBERTS, Mr. HARPER.

2a-2b. English History.—First semester: political history of England to the Revolution of 1688; the larger social, economic, and religious movements. Second semester: the modern history of England to the peace of Versailles; colonial and imperial development. I, II; (3 or 2)².

Assistant Professor DIETZ, Dr. GOTTSCHALK, Dr. SWAIN, Mr. HARPER, Mr. HYDE.

3a-3b. History of the United States.—First semester: the colonies in the eighteenth century; the French War and the Revolution; the genesis of the Federal Constitution; development under the Constitution to 1815. Second semester: a century of national development, 1815-1922. (Either semester may be taken separately.) I, II; (3).

Professor ROBERTSON, Assistant Professor RANDALL, Dr. DUNBAR, Dr. ROBERTS, Mr. HARPER, Mr. SULLIVAN.

Prerequisite: One year of college work.

18. The Teaching of History.—Preparation of students for the teaching of history in secondary schools. II; (2).

Assistant Professor RANDALL
Prerequisite: History 1a-1b, 3a-3b, or their equivalent; senior standing.

23a-23b. The Puritan Revolution in England and America.—First semester: the influence of Puritanism on the institutions of modern England and America. Second semester: Whigs and Tories, 1672-1783. English politics and political thought considered as a background to political theory in the American Revolution. I, II; (2).

Assistant Professor PEASE

Prerequisite: One year of college history.

30a-30b. The Mohammedan World.—I. The Ottoman Empire and the question of the Near East. II. The Saracen Empire and the Crusades. I, II; (3). In 1923-1924, II will be given in the first semester, and I in the second.

Professor LYBYER
Prerequisite: One year of college history.

¹Three credits for seniors; four credits for students other than seniors.

²Two credits for seniors; three credits for students other than seniors.

[38a-38b. Western Europe in the Middle Ages.—First semester: from Constantine to Charlemagne. Second semester: from Charlemagne to Dante. I, II; (3). Not given in 1922-1923. Associate Professor JONES

Prerequisite: One year of college work. Not open to students who have had 1a.]

50a-50b. The Ancient World.—First semester: the prehistoric age and the ancient empires. Second semester: Greece and Rome. I, II; (3). Professor OLMSTEAD

Prerequisite: Sophomore standing.

51a-51b. Hebrew History.—A general history of the Hebrew people to the revolt under Hadrian; source problems, as they relate to Biblical criticism. An attempt will be made to correlate the Biblical history with the general history of the times. I, II; (2). Professor OLMSTEAD

Prerequisite: Junior standing.

55. History of Greece.—I; (3). (See Greek 55.) Professor OLDFATHER

Prerequisite: One college course in history or the classics; sophomore standing.

56. History of Rome.—II; (3). (See Latin 56.) Professor OLDFATHER

90a-90b. Thesis.—Special training in investigation for candidates for honors and for other seniors. I, II; (2). Professor ROBERTSON

91a-91b. Honors Course.—Reading in selected fields in consultation with the instructor. I, II; (2). Professor GREENE

Prerequisite: Senior standing.

Courses for Advanced Undergraduates and Graduates

(Open to seniors and to juniors of high standing. The ability to use modern languages is desirable.)

14a-14b. Studies in the Development of American Ideals.—I. The European inheritance and its modification under American conditions, 1606-1776. II. Republican principles in society and politics, 1776-1828. I, II; (3). Professor GREENE

Prerequisite: A grade of B or higher in History 2, 3, or 4, or Political Science 1 and 3.

[14c-14d. Studies in the development of American Ideals.—III. Issues of democracy and nationalism, 1829-1870. IV. Changing conceptions of democracy and the state; nationalism and the international outlook. Not given in 1922-1923. Professor GREENE

Prerequisite: Same as for 14a-14b.]

15. The Civil War and the Reconstruction.—The ante-bellum South and its destruction, 1844-80. The Civil War in the light of the forces which tended to hasten or obstruct the clash of arms. I; (3). Assistant Professor RANDALL

Prerequisite: History 3a-3b.

[19. France in the Feudal and Later Middle Ages.—(A reading knowledge of French is desirable.) II; (3). Not given in 1922-1923. Associate Professor JONES

Prerequisite: History 1a-1b.]

21. Recent History of the United States.—Historical introduction to contemporary American politics; economic, political, and social problems; international relations; the United States in the Great War. I; (3). Professor ROBERTSON

Prerequisite: History 3b.

22a-22b. History of the Old Northwest, 1787-1865.—The settlement of the Northwest; Western economic, political, and social problems; influence of the West on national policies. I, II; (3). Assistant Professor PEASE

Prerequisite: History 3.

26. History of the Latin-American Colonies.—Political, economic, social, and intellectual life in Spain and Portugal during the age of discovery. The colonization, administration, and civilization of Latin America and the Philippines. The independence of Brazil and the Spanish-American republics. I; (3). Professor ROBERTSON

Prerequisite: One year of college history.

27. History of Latin America from the Wars of Independence to the Present Time.—The national history of the leading Latin-American nations with special attention to existing governments, political parties, present economic and social conditions, and relations with the United States. II; (3). Professor ROBERTSON

Prerequisite: One year of college history.

29a-29b. The Far East.—The contact of Western nations with the Far East from the Portuguese establishments of the sixteenth century to the present time, with special reference to China and Japan. I, II; (3). Professor GREENE

Prerequisite: One year of college history including History 1 or 2.

32a-32b. Recent European History.—I. The period of national consolidation and world-wide expansion, 1848-1891. II. The formation of alliances, the Great War, and subsequent events. I, II; (3). Professor LYBYER

Prerequisite: One year of college history.

33a-33b. Proseminar in Recent European History.—Intensive study of selected problems. I, II; (2). Professor LYBYER

Prerequisite: Senior standing and twelve hours of college history.

34. European Consolidation and Colonial Expansion, 1648-1789.—I; (3). Dr. SWAIN

Prerequisite: One year of college history, economics, or political science.

35. The French Revolution, the Napoleonic Era, and the early nineteenth century, 1789-1848.—II; (3). Dr. SWAIN

Prerequisite: One year of college history, economics, or political science.

39a-39b. The Renaissance and the Reformation.—The transition from medieval to modern ideals. I, II; (3). Associate Professor JONES

Prerequisite: History 1a-1b.

40. The History of the British Commonwealth.—The expansion of England; imperial organization; the development of the colonial nations. I; (2). Professor LARSON

Prerequisite: One year of college history.

42. Medieval Civilization.—The religious, economic, and intellectual development of medieval society. II; (3). Professor LARSON

Prerequisite: One year of college history (English or general European).

44a-44b. The Constitutional History of England.—First semester: institutional origins. Second semester: modern constitutional practise. I, II; (3). Professor LARSON

Prerequisite: One year of college history.

46a-46b. The History of the Industrial Revolution in Great Britain.—A discussion of agricultural, industrial, and commercial developments in Great Britain, 1760-1921, with special reference to their social significance. I, II; (2). Assistant Professor DIETZ

Prerequisite: One year of college history.

[53. Assyrian History.—The Assyrian Empire; sources; political thought; government of dependencies; parallels to more modern imperial states; economic life. II; (3). Not given in 1922-1923. Professor OLMSTEAD

Prerequisite: Senior standing and the consent of the instructor.]

[54. History of Egypt.—Prehistoric Egypt and historic Egypt to the Persian Conquest. The chief sources will be studied in English translation, and the resources of the Oriental Museum will be utilized for a study of the culture. II; (3). Not given in 1922-1923. Professor OLMSTEAD

Prerequisite: Senior standing.]

60. The United States in the Great War.—A study of the course of the United States in the war (both as a neutral and as a participant) with particular attention to economic mobilization and to the administrative features of the American war government. II; (3). Assistant Professor RANDALL

Prerequisite: History 3b.

Courses for Graduates

Graduate work in history presupposes two years of college work in this subject, or sixteen semester hours, which should include courses in European and American history corresponding roughly to History 1a-1b and 3a-3b in this University. Linguistic preparation, especially in French and German, is important. For medieval history some knowledge of Latin is essential, and Spanish is useful for certain fields of American history.

Advanced courses in history at the University of Illinois are of three kinds:

(1) For information and guidance in general reading. (2) Instruction in methodology, historiography, and biography. A part of this work (in course 103) is required of all graduate students in history during their first year. (3) Seminar courses for the study of special fields with a view to training in the methods of historical criticism and research.

Illinois Historical Survey.—Students have an opportunity to pursue research in Western history in connection with the Illinois Historical Survey, an organization for the purpose of carrying on systematic studies in the history of Illinois.

Attention is also called to the fact that the University of Illinois has for some time cooperated with the Trustees of the State Historical Library in the gathering and editing of archive material. As a result instructors and graduate students in the department have contributed from time to time to the publications of the Library, and have been given useful training in the study of manuscript as well as printed material.

101. Seminar in American History.—Guidance in the investigation of selected topics. Consultations with individual students and general meetings of faculty and students. I, II; (1 to 2 units).

Professor GREENE and others

In connection with this course, advice and direction in research are offered in various fields as follows:

A. American history before 1815.

Professor GREENE

B. American history since 1815.

Professor ROBERTSON, Assistant Professor RANDALL

C. The history of the West.

Assistant Professor PEASE

D. American church history.

Professor GREENE

E. Latin-American history.

Professor ROBERTSON

102. Seminar in English History.—Church and state in the medieval and early modern period; examination of documentary materials. I, II; (1 unit). Professor LARSON

103. Historiography and Historical Method.—The technic of historical investigation. Required of all candidates for an advanced degree in history who do not present evidence of similar training elsewhere. I; ($\frac{1}{2}$ unit). Assistant Professor RANDALL

104. Seminar in European History.—European expansion. Bibliography, historiography, and selected problems; reports. I, II; (1 to 2 units).

Professor LYBYER, Associate Professor JONES

In connection with this course, advice and direction in research in various fields are offered as follows:

A. Modern history of continental Europe.

Professor LYBYER

B. Renaissance and Reformation.

Associate Professor JONES

C. Asiatic Relations.

Professor LYBYER

110. Introduction to Research in American History.—Survey of sources and secondary authorities; study of typical problems. I; (1 unit).

Professor GREENE

111. Spanish-American Relations.—The relations of the Latin-American States with the United States. An intensive study of such topics as the Monroe Doctrine, the development of international trade, etc. I, II; (1 unit).

Professor ROBERTSON

112. Studies in American Religious History.—Questions of Church and State. II; (1 unit).

Professor GREENE

150. Research in Ancient Oriental History.—I, II; (1 unit). Professor OLMSTEAD

Summer Session Courses

Courses for Undergraduates

S1c. The History of Modern Europe, 1815-1871.—(2).

Dr. GOTTSCHALK

Equivalent: The third one-fourth of History 1a-1b.

S2b. The Political and Social History of Modern England, 1660-1919.—(3).

Dr. GOTTSCHALK

Equivalent: History 2b.

S3c. American History, 1877-1919.—Economic changes and party readjustments; "big business"; the war with Spain; the Roosevelt policies; the Wilson program; the Great War. (2 $\frac{1}{2}$).

Mr. ROBERTS

Prerequisite: Sophomore standing.

Courses for Advanced Undergraduates and Graduates

(At least junior standing is required for all the courses in this group.)

S12. The Preliminaries of the Civil War, 1845-1861.—The annexation of Texas and Oregon; the war with Mexico; the crisis of 1849-1850; the Republican party; the secession movement. (2).

Professor RAMSDELL

Prerequisite: One year of college history.

S15. Reconstruction after the Civil War, 1863-1877.—War aims in the North; the reconstruction policies of Lincoln and Johnson; Congressional reconstruction; the South under reconstruction; business and politics in the North. (2). Professor RAMSDELL

Prerequisite: One year of college history.

S55. The Roman Empire.—The political theories of the Empire; the cultural development; the religious invasions from the Orient; the causes of the "decline and fall." (2). (This is the same course as Classics S5.) Professor OLDFATHER

Courses for Graduates

S101. Seminar in American History.—Selected problems in the history of the Civil War. (1 unit). Professor RAMSDELL

S155. Research in Greek or Roman History.—Personal conferences with students who desire guidance in research. ($\frac{1}{2}$ to 1 unit). Professor OLDFATHER

HOME ECONOMICS

Professor WARDALL; Assistant Professors WARDELL, BANE, BARTO; Miss BOND, Miss JACOBSEN, Miss FORD, Miss WEAVER, Miss ROBINSON, Miss TODD, Miss GIDDINGS, Miss McCULLOUGH, Miss BARER, Miss KERN, Miss MULLEN, Miss O'LOUGHLIN, Miss MACGREGOR, Miss INGALLS.

Major A—General Home Economics: 20 hours from courses offered by the department, excluding Home Economics 1, 6, and 7, and including Home Economics 2, 5, 10, 29, and two or more of the following: Home Economics 4, 14, 19, 28, 31, 33, 41. To satisfy the requirements for the major, students transferring from other institutions must take at least five hours in residence from the following: Home Economics 4, 28, 31, 33, 39a, 39b, 41.

Major B—Nutrition and Dietetics: 20 hours excluding Home Economics 1 and including Home Economics 4, 5, 6, 39a, 39b, and two or more of the following: Home Economics 18, 20, 33, 41.

Minor: 20 hours from (a) chemistry, bacteriology, and physiology, or (b) economics (a minimum of 8 hours), and one or two of the following subjects: sociology, psychology, history, and education.

1. Selection and Preparation of Food.—The nature, chemical composition, uses and cost of foods; methods of preparation; principles of selection and processes of manufacture. Laboratory fee, \$3.00. I or II; (3). Miss BARER, Miss O'LOUGHLIN

Prerequisite: Chemistry 1, 2a.

2. Home Architecture.—Situation, design, construction, and history of the house—Heating, lighting, ventilation, plumbing, water supply and drainage. Making skeleton plans. I; (3).

Professor NEWCOMB, Assistant Professor LANGFORD, Assistant Professor PALMER, Miss WEAVER, Mr. O'DONNELL.

Prerequisite: Art and Design 1, 12.

3. Home Decoration.—A study of interiors and the selection and arrangement of furnishings from an artistic and economic standpoint. II; (3). Miss WEAVER, Miss MULLEN

Prerequisite: Art and Design 1, 12; Home Economics 2.

4. Food and Nutrition.—Physiological, chemical, and bacteriological aspects of food and nutrition. Laboratory fee, \$8.00. I or II; (5).

Prerequisite: Bacteriology 5a, 5b; Chemistry 9, 9c, 5a; Home Economics 5.

5. Dietetics.—Food requirements of individuals from infancy through old age. Food values. Essentials of an adequate diet. Planning of dietaries for individuals and family groups with emphasis on limitations of cost. I or II; (4). Assistant Professor BARTO

Prerequisite: Chemistry 9, 9c; Home Economics 1, 6; Physiology 1, 4.

6. Foods.—A continuation of Home Economics 1, with emphasis on the economic phases of the food question as effected by labor, fuels, market conditions, and food legislation. Laboratory fee, \$3.00. I or II; (4). Miss O'LOUGHLIN, Miss BARER

Prerequisite: Home Economics 1.

7. Textiles.—Development of the textile industry from primitive times to the present; study of the important fibers and materials made from them; study of textile design with special emphasis on weaves and weaving; microscopic examination and simple chemical tests of fibers and fabrics; consideration of the economic, legal, and social aspects of textiles; practise in working with cotton, linen, wool, and silk materials. Laboratory fee, \$2.00; I or II; (3 or 2)¹.
Miss McCULLOUGH

9. Extension Work in Home Economics.—Activities and organizations of women with special emphasis upon extension work. II; (3). Assistant Professor BANE
Prerequisite: Senior standing in Home Economics, and the consent of the instructor.

10. Organization and Management of the Household.—Family income, its relation to standard of living, its apportionment; household activities and equipment. Emphasis on economic aspects. I or II; (3).
Miss FORD

Prerequisite: Home Economics 2, 6, 7; Economics 1 or 2.

11. Teachers' Course.—Methods of presenting home economics to classes; its correlation with other subjects. Practise in planning courses and presenting lessons. One inspection trip is made of which the total cost does not exceed \$5.00. Required of all who wish to be recommended to teach Home Economics. I or II; (3).
Miss ROBINSON

Prerequisite: Home Economics 6, 29. *Prerequisite or concurrent:* Education 10, Home Economics 5, 10, and for non-Smith-Hughes students, Home Economics 34.

13. Teachers' Course.—The development of home economics; the work in various types of institutions; other agencies and organizations concerned with home betterment; opportunities in home economics. Required of all who wish to be recommended to teach Home Economics. I or II; (3).
Miss TODD

Prerequisite: Junior or senior standing in Home Economics.

14. Practise House.—Planning, preparation, and serving of meals; care of the house, including laundry, with emphasis on cost and organization of work. Conferences and laboratory work in practise apartment and laundry, occupying nine weeks either half of semester. For Smith-Hughes students, this course should alternate with Education 14; for non-Smith-Hughes students, it should alternate with Home Economics 35. Laboratory fee (to cover cost of raw food materials for four weeks), \$13.50. I or II; (3).
Miss GIDDINGS

Prerequisite: Home Economics 5, 6, 10; consent of the instructor.

18. Cafeteria Management.—Organization and equipment of cafeterias and lunch rooms. Study of foods from standpoint of quality, grade, cost, and methods of buying. Menus and problems involved in selection and preparation of food in quantity. Laboratory practise. Experience in serving. Class usually goes to Chicago for a three-day inspection trip, the cost of which is about \$25.00. I or II; (5).
Miss BOND

Prerequisite: Economics 1 or 2; Home Economics 5.

19. Costume Design.—Application of the principles of design to costumes from the points of view of designing and selection. I or II; (3).
Miss WEAVER

Prerequisite: Art and Design 1, 12; Home Economics 7, 29.

20. Infant Nutrition.—Lectures; readings; discussions. I or II; (2).
Assistant Professor WARDELL

Prerequisite: Home Economics 5; senior standing.

28. Organization and Management of the Household.—Economic relationships of the household, and some public, private, and cooperative agencies. II; (2). Miss FORD
Prerequisite: Home Economics 10.

29. Clothing.—General introductory course including problems in the selection and construction of clothing. The laboratory work consists of the making of simple cotton garments. I or II; (3).
Miss MULLEN, Miss INGALLS

Prerequisite: Art and Design 1; Home Economics 7.

30. Clothing.—A study of dress involving application of the principles of color and design. Drafted and commercial patterns are studied. Lecture, demonstration, and laboratory work. I or II; (3).
Miss JACOBSEN

Prerequisite: Home Economics 19, 29.

¹Two credits for seniors; three credits for other students.

31. Clothing.—The investigation and discussion of the economic aspects of clothing. Draping on dress forms; remodelling and renovating. I or II; (3). Miss JACOBSEN
Prerequisite: Home Economics 30.

33. Diet in Disease.—Applications of dietetic principles to the problems of diet in disease. Laboratory fee, \$3.00. II; (3). Assistant Professor BARTO
Prerequisite: Home Economics 5.

34. Teachers' Course in Clothing.—The analysis of clothing problems; the making of illustrative material for use in clothing courses. (Required of non-Smith-Hughes students for Home Economics 11.) I; (1). Miss TODD
Prerequisite: Home Economics 12 or 29.

35. Experimental Cookery.—(Not open to Smith-Hughes students.) Study of the principles of cooking processes as affected by the factors of manipulation, temperature, and proportion of ingredients. Conferences and laboratory work occupying nine weeks either half of semester. Should alternate with Home Economics 14. I or II; (3). Miss O'LOUGHLIN
Prerequisite: Home Economics 5, 6, 10; consent of the instructor.

38. Food Course.—(Formerly known as Military 30.) For non-home economics students who desire some knowledge of the selection of food with reference to cost, value in the diet, and other factors in the planning of meals. No credit to home economics students. I or II; (2). Miss GIDDINGS

39a. Nutrition.—Lectures, reports on assigned topics, discussions, review of current literature. I; (1). Assistant Professor WARDELL
Prerequisite: Credit for or concurrent registration in Home Economics 4, 20 or 33.

39b. Nutrition.—Lectures, reports on assigned topics, discussions, review of current literature. II; (1). Assistant Professor WARDELL
Prerequisite: Credit for or concurrent registration in Home Economics 4, 20 or 33.

41. Problems in Nutrition.—Discussions; individual investigations. Laboratory fee, \$5.00. II; (3-5). Assistant Professor WARDELL, Miss KERN
Prerequisite: Home Economics 4.

Courses for Graduates and Advanced Undergraduates

4. Food and Nutrition.—Physiological, chemical, and bacteriological aspects of food and nutrition. *Five times a week: both semesters.* (See page 279.) Assistant Professor WARDELL

20. Infant Nutrition.—Lectures; readings; discussions. *Twice a week: both semesters.* (See page 280.) Assistant Professor WARDELL

Courses for Graduates

Students electing graduate courses dealing with food and nutrition will present Chemistry 20 hours (including quantitative and organic), bacteriology 5 hours, Physiology 5 hours, food and dietetics 10 hours, nutrition 5 hours. For the more general problems involved in course 101, Home Economics, students must present food and dietetics 10 hours, textiles and clothing 8 hours, chemistry 12 hours, physiology 5 hours, principles of economics 3 hours.

101. Home Economics.—Assigned discussion and reports on various phases of home economics. Each member of the class selects a problem for continuous work and report. *Twice a week: first semester. One unit.* Professor WARDELL

102. Research in Food and Nutrition.—*Twice a week: both semesters. One to two units.* Assistant Professor WARDELL

103. Nutrition Seminar.—Students registering for this course should have a reading knowledge of French or German. *Once a week: both semesters. One-half unit.* Assistant Professor WARDELL

HORTICULTURE

Professors BLAIR, LLOYD, CRANDALL, PICKETT, DORNER; Associate Professors COLBY, LOHMANN; Assistant Professors ANDERSON, RUTH, BROCK, SAYRE, BARTHOLOMEW, WHITE; Miss McADAMS, Mr. HALL, Mr. SCHAFER, Mr. DALE, Mr. HUELSEN, Mr. VOGEL, Mr. PETERSON, Mr. WEINARD, Mr. MOHLMAN, Mr. CARVER, Mr. NEWTON, Mr. AXT.

Courses for Undergraduates

1a. Elements of Horticulture.—Fruit growing and ornamental planting, with special reference to the farm home. Required of all freshmen in the general curriculum in Agriculture. Recitations; practical exercises. No credit in this course allowed to juniors and seniors. I; (2). Associate Professor COLBY, Mr. VOGEL, Mr. CARVER, Mr. NEWTON

1b. Elements of Horticulture.—Vegetable gardening, with special reference to the home garden. Required of all freshmen in the General Curriculum in Agriculture. Recitations; practical exercises. No credit in this course allowed to juniors and seniors. II; (2). Assistant Professor SAYRE, Mr. DALE, Mr. AXT

2. Small Fruit Culture.—The blackberry, raspberry, dewberry, currant, gooseberry, and strawberry. History; extent of cultivation; species and varieties; establishment and maintenance; harvesting; storing; marketing; products. Recitations; reference work; laboratory. II; (2). Associate Professor COLBY

Prerequisite: Horticulture 1a.

3. Commercial Vegetable Gardening.—The production of vegetables for market. Lectures; reference readings; practical experience in the greenhouses and gardens. II; (5). Professor LLOYD, Assistant Professor SAYRE

Prerequisite: Horticulture 1a and 1b or their equivalents.

4. Plant Houses.—Construction, cost and maintenance, heating; ventilating. II; (3). Professor DORNER

5. Plant Propagation.—Grafts; buds; layers; cuttings; seeds. Lectures; laboratory; quizzes. I; (3). Professor DORNER, Mr. MOHLMAN

[6. Nursery Methods.—The nursery business; propagation; management; relation to horticulture. Lectures; reference readings. Trips will be taken to nurseries, the cost not to exceed \$10.00. II; (2). Not given in 1922-23.

Prerequisite: Horticulture 5.]

7. Spraying.—Materials, appliances, and methods employed in combating insects and fungous diseases. Lectures; reference readings; laboratory; field work. II; (3). Assistant Professor RUTH

Prerequisite: Horticulture 1a and 1b or their equivalents; Chemistry 1.

[9. Forestry.—Forest trees, uses; distribution; artificial production; relations of forest and climate; forestry legislation and economy. II; (2). Not given in 1922-23.

Prerequisite: Botany 1 or its equivalent.]

10a. Rural Improvement.—Landscape gardening in the open country and its relation to rural conditions, with special reference to the farm group. Lectures; reference readings; reports. I; (2). Mr. SCHAFER

[10b. Town Improvement.—The development of the town as an organism and the improvement of small communities, with special reference to home grounds. Lectures; reference readings; reports. II; (2). Not given in 1922-23.] Mr. SCHAFER

[11. Study of Cultivated Plants.—The relationship and classification of economic and ornamental plants of the temperate zone; identification of species; examination of living plants and herbarium specimens. Lectures; assigned readings. I; (2). Not given in 1922-23. Professor BLAIR, Professor CRANDALL

Prerequisite: Botany 4a.]

15a. Greenhouse Management.—Preparation of soils for greenhouse crops; fertilizers; potting and shifting plants; watering. Lectures; practical greenhouse work. II; (3). Professor DORNER, Mr. HALL

Prerequisite: Horticulture 5; Botany 1.

15b. Commercial Crops.—Greenhouse plants and cut flowers for wholesale and retail markets; care and marketing of the crops. Lectures; greenhouse work. I; (3). Mr. HALL

Prerequisite: Horticulture 15a.

- 15c. Commercial Crops.—Continuation of 15b. Lectures; greenhouse work. II; (3). Mr. HALL

Prerequisite: Horticulture 15b.

19. Amateur Floriculture.—Window gardening; growing of flowers on the home grounds; containers; potting soils; fertilizers; preparation and planting of flower beds; propagation and culture of plants for window and garden. I; (3). Mr. MOHLMAN

- 21a-21b. Landscape Design.—(Sophomore course). Simple composition as applied to landscape design; types of drafting and presentation used in office practise. Lectures and reference readings. Eleven hours drafting per week. I, II; (4). Miss McADAMS

Prerequisite: Architecture 32.

- 23a-23b. Landscape Design. (Junior course).—Landscape design as applied to playgrounds, country estates, and small city parks. Nine hours' drafting, three hours' freehand per week. Lectures; field trips; problems; assigned readings; reports. I, II; (4).

Assistant Professor WHITE

Prerequisite: Horticulture 21b.

- 24a. Trees and Shrubs.—Identification and characteristics of hardy plant material used in landscape gardening. Lectures; reference readings; field trips. II; (3).

Miss McADAMS

Prerequisite: Botany 1.

- 24b. Trees and Shrubs.—(Continuation of Horticulture 24a.) Lectures; reference readings; field trips. I; (3). Miss McADAMS

Prerequisite: Horticulture 24a.

- 25a-25b. Advanced Landscape Design. (Senior course).—Landscape design as applied to larger landscape problems, educational groups, rural parks, golf courses, cemeteries, etc. Lectures; field trips; assigned readings. Fifteen hours' drafting per week. I, II; (5). (Extra hours by special arrangement). Associate Professor LOHMANN

Prerequisite: Horticulture 23b.

- 26a. Planting Design. (First course).—Theory of the arrangement of plant materials in landscape design. Practise in the preparation of planting plans and estimates. Lectures; drafting; reference readings; field trips. Six hours' drafting; one lecture. II; (3).

Assistant Professor WHITE

Prerequisite: Horticulture 23a, 24b.

- 26b. Planting Design. (Second course).—Continuation of first course. Lectures; drafting; conferences. Six hours' drafting; one lecture. I; (3).

Assistant Professor WHITE

Prerequisite: Horticulture 26a.

- 27a-27b. Landscape Construction.—The preparation of construction drawings such as grading plans, working drawings, specifications and reports. I, II; (3). Mr. SCHAFER

Prerequisite: Civil Engineering 32.

30. Tender Bedding Plants.—Tropical and sub-tropical plants used in out-door bedding. Lectures; practical greenhouse work. II; (3). Mr. HALL

Prerequisite: Horticulture 15a.

31. Garden Flowers.—The propagation and growing of annuals, herbaceous perennials, bulbs, and shrubs for cut flowers and ornamental plantings. II; (3).

Professor DORNER

Prerequisite: Horticulture 5; Botany 1.

- 32a. Floral Decoration.—Cut flowers and plants in decorative work; arrangement of flowers in baskets, designs, and bouquets, table decoration; house decoration. (For floricultural students). I; (3).

Professor DORNER, Mr. MOHLMAN

- 32b. Floral Decoration.—(Continuation of Horticulture 32a). II; (3).

Professor DORNER, Mr. MOHLMAN

Prerequisite: Horticulture 32a.

33. Systematic Pomology.—Description, nomenclature, and classification of native and sub-tropical fruits; critical descriptions and identifications with special reference to relationships and classification of varieties. Training is given in judging and displaying fruits. (For students specializing in pomology). I; (2). Mr. CARVER, Mr. VOGEL

Prerequisite: Junior standing.

34. Vegetables under Glass.—Types of greenhouses for vegetable forcing; soils; fertilizers; treatment of insects and diseases; management problems; marketing; detailed study of the principal forcing crops. Lectures; reference readings; practical laboratory work. I; (3).
Assistant Professor SAYRE

Prerequisite: Horticulture 3 or 15a.

36. History of Landscape Gardening.—Lectures; reference readings; library sketches; reports. Required of freshmen in the professional course; open to other students by permission of the instructors in charge. I; (3).
Mr. PETERSON

37a. City Planning.—Principles of town and city planning; a study of the function of the various parts of towns and cities, with special reference to the remodeling and revision of the town plan. Lectures; field trips; reference readings; reports; drafting. I; (3).
Associate Professor LOHMANN, Assistant Professor BARTHOLOMEW

Prerequisite: Senior standing in landscape gardening. By permission of the instructor or open also to students of senior standing in civil and municipal engineering, architecture, political science and commerce.

37b. City Planning.—Principles of town and city planning; with special attention given to guiding the growth of communities, zoning and districting; industrial and suburban residential community planning. Lectures; reference readings; drafting; textbook. An inspection trip will be required in this course; expenses of trip about \$30.00. II; (3).

Prerequisite: Horticulture 37a.

Associate Professor LOHMANN, Assistant Professor BARTHOLOMEW

38. Office Practise in Landscape Gardening.—Professional ethics and practise; contracts and specifications. Lectures; reference readings; seminars and reports. II; (1).

Mr. SCHAFFER

Prerequisite: 27b and 23b.

39a-39b. Special Lectures.—(Open only to students in Landscape Gardening.)—Lectures by members of the faculty and invited lecturers on the working out of problems in landscape gardening. Certain inspection trips will be required of the class. The expense of these trips will be about \$2.00. One lecture a week with written reports. (Professional students are required to register in this course each semester of each year). I, II; (1).

Associate Professor LOHMANN, Assistant Professor WHITE, Miss McADAMS, Mr. SCHAFFER, Mr. PETERSON.

40. Care of Plant Materials. (Advanced course).—Cultivation of plants for landscape purposes, planting, pruning, spraying, tree surgery and landscape forestry as applied to private estates, parks, and street planting. I; (2).

Mr. PETERSON

Prerequisite: Horticulture 24b; senior standing.

42. Landscape Gardening. (Elementary course for non-professional students).—Study of the improvement of small domestic properties. Lectures; reference readings; reports; six hours' drafting per week. II; (3).

Mr. PETERSON

Prerequisite: Horticulture 10a or junior standing in Floriculture or Senior standing in Home Economics.

49. Systematic Vegetable Crops.—Types; varieties; strains. Nomenclature; descriptions. Adaptation to given purposes. Selection of specimens for market and exhibition. Judging vegetable exhibits. Lectures; research; laboratory. I; (2).

Professor LLOYD, Assistant Professor SAYRE

Prerequisite: Horticulture 3.

50. Vegetable Seed Production.—Importance of the industry; sources of supply; climatic influences; seedmen's trial grounds. Selection of specimens for stock seed; winter storage of biennials for seed purposes; planting and care of the growing seed crop; "roguing"; harvesting, curing, and storage of seeds. Determinations of purity and germination; official standards. The American seed trade; seedmen's responsibilities and opportunities; improvement of varieties; introduction of novelties. Lectures; research; laboratory. I; (3).

Mr. HUELSEN

Prerequisite: Horticulture 3.

51. Fruit Diseases.—The bacterial and fungous diseases of tree and small fruits. Symptomology and control measures are emphasized. In addition to laboratory studies, the diseases are studied in the field wherever possible, so that the student may become acquainted with the parasites in their natural habitats. II; (3).

Assistant Professor ANDERSON

Prerequisite: Senior standing; Botany 7a or its equivalent.

52. Special Vegetable Crops.—Horticultural classification, cultural requirements, specific adaptations, and uses of the less common vegetables. Particular attention is given to recently introduced vegetables of foreign origin. Lectures; research; laboratory. II; (3). Professor LLOYD

Prerequisite: Horticulture 3; senior standing.

53. Viticulture.—History, species and varieties; extent of cultivation; establishment of vineyard and its management; harvesting; storing; marketing; products. Laboratory; recitations; reference readings. I; (2). Associate Professor COLBY

Prerequisite: Horticulture 1a.

Courses for Advanced Undergraduates and Graduates

8a. Orchardling.—Principal orchard fruits; culture of commercial orchards; planting; varieties; cultivation; fertilizing; pruning; harvesting; grading; packing; storing; marketing. I; (3). Professor PICKETT

Prerequisite: Horticulture 1a; junior standing.

8b. Orchardling.—A continuation of Horticulture 8a. II; (3). Professor PICKETT

Prerequisite: Horticulture 8a.

12. Evolution of Horticultural Plants.—History, botanical classification, and geographical distribution of cultivated plants; modification under culture; theoretical causes and observed factors that influence variation, particularly food supply, climate, and cross-fertilization. I; (3). Professor CRANDALL

Prerequisite: Two years of university work; Horticulture 8 and Botany 4a.

[17. Orchard Organization and Operation.—The application of the principles of business organization and operation to fruit growing. II; (3). Not given in 1922-1923.

Prerequisite: Senior standing; for students specializing in pomology.]

18. Experimental Horticulture.—Methods and difficulties in horticultural investigations; the planning of experiments; recording and interpretation of results. For advanced students preparing for experiment station work. II; (3). Professors BLAIR, PICKETT

Prerequisite: Twenty hours' work in horticulture.

22a-22b. Investigation and Thesis.—Special training in the investigation of horticultural problems. I, II; (5).

Prerequisite: Senior standing; not less than 20 hours' work in courses pertinent to the thesis problem; permission of the head of the department.

43. Greenhouse Fertilizers.—Soils and fertilizers; plant food materials and the water requirement of greenhouse crops. Lectures; seminar. I; (3). Mr. WEINARD

Prerequisite: Botany 27a; Agronomy 9; Horticulture 3 or 15a.

44. Pomology Seminar.—Assigned topics; review of books, current technical journals and other publications. For seniors and graduates specializing in pomology. I or II; (1). Assistant Professor RUTH

Prerequisite: Senior standing.

45. Plant Nutrition.—The food of plants; growth of greenhouse plants in relation to temperature, light, humidity, and carbon dioxide content of the air. Lectures; assigned readings; seminar. II; (3). Mr. WEINARD

Prerequisite: Botany 27a; Agronomy 9; Horticulture 3 or 15a.

46. Marketing Horticultural Products.—A study of fundamental principles involved in the successful marketing of fruits and vegetables. An inspection trip will be required in this course; expenses of trip about \$20.00. For seniors and graduates specializing in horticulture. I; (3). Professor LLOYD

Prerequisite: Senior standing.

Courses for Graduates

At least two years of collegiate work in horticulture and allied subjects and specific preparation for chosen topics are required for entrance on major work in this department.

103. Olericulture.—Horticultural relationships, origin, breeding, fertilizing, cultural requirements, and improvement of vegetables. Research; conferences. I, II; (1 to 2 units.) Professor LLOYD

108. Pomology.—Special problems in the relationship, adaptation, improvement, propagation, cultivation, pruning, protection, preservation, or marketing of small fruits and orchard fruits. Conferences. I, II; (1 to 2 units).
Professors BLAIR, CRANDALL, LLOYD, PICKETT, RUTH

113. Floriculture.—The horticultural status of flowering plants, or special problems in the culture of greenhouse plants. I, II; (1 to 2 units).
Professor DOBNER

116. Nutrition of Greenhouse Plants.—Lectures and special problems. I, II; (1 to 2 units).
Professor DOBNER

HYGIENE AND PUBLIC HEALTH

Professor BEARD, Assistant Professor MOULTON, Dr. ROSS, Dr. CAIN, Dr. LITTLE

1. Elementary Hygiene and Sanitation.—Required of all undergraduate men during their first year of residence. I, II; (3½).
Dean CLARK, Professor BEARD

2. Essentials of Hygiene and Sanitation.—Required of all undergraduate women during their first year of residence. I, II; (1).
Dean MASON, Assistant Professor MOULTON

10. General Hygiene.—Hygiene as applied to the individual, to the home, to the school, and to the community. II; (3).
Professor BEARD, Assistant Professor MOULTON

INDUSTRIAL EDUCATION

(See EDUCATION)

LANDSCAPE GARDENING

(See HORTICULTURE)

LATIN

(See CLASSICS)

LAW

Professors HARGO, HARKER, GREEN, POMEROY, SUMMERS, GOBLE, PHILBRICK; Miss FOOTE

First Year Courses

- 1a-1b. Contracts.—Corbin: *Cases on Contracts*. I, (6); II, (2). Professor GOBLE
- 2a-2b. Torts.—Ames and Smith: *Cases on Torts*. (1909-1910 ed.) I, (2); II, (3).
Professor PHILBRICK
3. Real Property I.—Rights in land. Bigelow: *Cases on Rights in Land*. II; (3).
Professor SUMMERS
- 3a-3b. Criminal Law and Procedure.—Mikell: *Cases on Criminal Law and Procedure*. I, (2); II, (2).
Professor HARGO
6. Personal Property.—Bigelow: *Cases on Personal Property*. I; (2).
Professor SUMMERS
11. Agency.—Including employers' liability and workmen's compensation. Wambough: *Cases on Agency* and selected cases. II; (3).
Professor GREEN
44. Actions.—Cook and Hinson: *The Forms of Action in Common Law*. I; (2).
Professor PHILBRICK
45. Legal Bibliography.—Including drill in use of the law library. Cowley: *Brief Making*. 3d ed. I; (2).
Miss FOOTE

Second and Third Year Courses

4. Common Law Pleading.—Stephen: *Principles of Pleading* (Andrews' ed.) and selected cases. I; (3).
Professor HARKER
- (7. Persons.—Including domestic relations. Hales: *Cases on Persons and Relationships*. (2). Not given in 1922-1923.
Professor GOBLE)

8. Evidence.—Hinton: *Cases on Evidence*. II; (4). Professor HARNO
9. Sales.—Williston: *Cases on Sales*. (3d ed.) II; (3). Professor GOBLE
10. Real Property II.—Titles; Bigelow: *Introduction to the Law of Real Property*, and Aigler, *Cases on Property*. I; (4). Professor SUMMERS
- 12a. Equity Jurisdiction I.—Ames: *Cases on Equity*, Vol. 1, and supplemental readings. I; (4). Professor POMEROY
- 12b. Equity Jurisdiction II.—Ames: *Cases on Equity*, Vol. II, and supplemental readings. I; (2). Professor POMEROY
- [13. Damages.—Beale: *Cases on Damages* (2nd ed.). Not given in 1922-1923. Professor GOBLE]
14. Carriers and Public Utilities.—Green: *Cases on Carriers* and selected cases I; (2). Professor GREEN
15. Bills and Notes.—Smith and Moore: *Cases on Bills and Notes* (2nd ed.). I; (3). Professor GOBLE
16. Trusts.—Scott: *Cases on Trusts*. II; (3). Professor POMEROY
17. Private Corporations.—Warren: *Cases on Private Corporations* (2nd ed.). I; (4). Professor HARNO
- 18a-18b. Wills and Administration.—Warren: *Cases on Wills and Administration*. I, (2); II, (1). Professor POMEROY
19. Partnership.—Gilmore: *Cases on Partnership*. I; (2). Professor GOBLE
20. Equity Pleading.—Rush: *Text and Cases on Equity Pleading*, and selected readings. II; (2). Professor HARKER
21. Suretyship.—Ames: *Cases on Suretyship*. I; (2). Professor PHILBRICK
- 22a-22b. Constitutional Law.—Hall: *Cases on Constitutional Law*. I, (3); II; (2). Professor GREEN
23. Mortgages and Recording Acts.—Wyman: *Cases on Mortgages* (2nd ed.). II; (2).
- [24. Municipal Corporations.—Macy: *Cases on Municipal Corporations*. Not given in 1922-1923. Professor HARNO]
- [25. Bankruptcy.—Williston: *Cases on Bankruptcy* (2nd ed.). Not given in 1922-1923. Professor POMEROY]
26. Legal Ethics.—Lectures and supplemental readings. II; (1). Professor HARKER and others
27. Property III.—Future Interests. Kales: *Cases on Future Interests*. II; (3). Professor SUMMERS
- [28. Insurance.—Vance: *Cases on Insurance*. (2). Not given in 1922-1923. Professor HARNO]
29. Conveyancing.—Drafting, selected abstracts and problems. II; (1). Professor SUMMERS
- 30a. International Law.—Law of Peace. Hershey: *Elements of International Law* and Evans: *Cases on International Law*. I; (3). Dr. BERDAHL
- 30b. International Law.—Law of War and Neutrality. Hershey: *Elements of International Law*, and Evans: *Cases on International Law*. II; (3). Professor GARNER
31. Conflict of Laws.—Beale: *Cases on Conflict of Laws* (shorter selection). I; (3). Professor GREEN
32. Quasi-Contracts.—Thurston: *Cases on Quasi-Contracts*. II; (2). Professor POMEROY
35. Illinois Procedure.—Selected cases and drafting of legal papers. I; (3). Professor HARKER
36. Practise Court.—II; (2). Professor HARKER
37. Brief Making.—II; (1). Professor GOBLE

LIBRARY SCIENCE

Director WINDSOR, Assistant Professors SIMPSON, CLEAVINGER; Miss BOND, Miss BOYD, Miss HUTCHINS, Miss JOHNSON, Miss DUNLAP, Miss FELSENTHAL, Miss SANKEE, Miss SHOUP.

Courses for Freshmen and Sophomores

12. General Reference.—Classification and arrangement of books in the University library; the card catalogs; the more generally used reference books. (Intended for freshmen and sophomores in the University, not for students in Library School.) Repeated each semester. I or II; (2).

Assistant Professor CLEAVINGER, Miss HUTCHINS, Miss BOYD, Miss JOHNSON, Miss DUNLAP, Miss BOND, Miss FELSENTHAL.

Courses for Library School Juniors

2a-2b. Reference.—Methods of bibliographical research; the use of reference books; practical work in the reference department of the University library. I, II; (3).

Assistant Professor SIMPSON

3a-3b. Selection of Books.—Principles of selection for libraries of different types; standard lists, critical periodicals, and other aids; practise in writing book annotations. I, II; (2).

Miss BOYD

16. Order, Accession, and Shelf.—Order department records and routine book-buying; publishers and discounts; serials and continuations; gifts; exchanges; duplicates; the accession book and its substitutes; the shelf list and its uses; the care of pamphlets, clippings, and maps. I; (2).

Miss FELSENTHAL

17. Classification.—Principles of book classification; the Dewey Decimal Classification; the Cutter Expansive Classification; book numbers. I; (3).

Miss BOND

18. Cataloging.—Dictionary cataloging; subject headings; classed cataloging. I; (3).

Miss BOND

19. Trade Bibliography.—Books and periodicals used as tools of the book trade of America, England, Germany, and France. II; (1).

Miss BOND

20. Loan Department.—Records connected with the loan of books; representative loan systems; rules, regulations, and practises. I; (1).

Assistant Professor CLEAVINGER

21. Printing, Binding, and Indexing.—Printing: printing for libraries; preparing copy and reading proof. Binding: materials and methods of bookbinding for libraries; practise in preparing books for the bindery and in making necessary records. Indexing: the form of citation; the choice and arrangement of headings; kind of type. II; (2).

Assistant Professor CLEAVINGER, Miss BOND, and others

22. Library Extension.—Library legislation; organization and administration of public libraries; county and township library systems; special libraries; library commissions; library training; library associations. II; (3).

Assistant Professor CLEAVINGER

23a-23b. Library Administration and Current Library Literature.—Current library periodicals, bulletins, reports, and reading lists; introduction to government documents; copyright; the planning and equipment of reading rooms and small library buildings; library accounts and business forms. This course includes an inspection trip to libraries and book-publishing firms in selected cities, requiring about one week and costing approximately thirty dollars (\$30.00). I, II; (1).

Miss FELSENTHAL

30. Practise.—Work in the various departments of the University Library. To be taken with Library 2, 16, 17, 18, 19, 20, and 21. II; (3).

Miss BOND

Courses for Library School Juniors and Seniors

7. History of Libraries.—The foundation, development, and resources of the leading libraries of Europe and the United States. II; (2). Given in alternate years.

Assistant Professor SIMPSON

[9. **History of Books and Printing.**—History of the early forms of books; the invention and spread of printing; book illustration; book-binding. II; (2). Given in alternate years. Not given in 1922-23. Director WINDSOR]

43. **High School Library Administration.**—II; (2).

Miss SANKEE

Prerequisite: Library School standing.

Courses for Library School Seniors

8. **Advanced Reference.**—Transactions of learned societies; special periodicals and government publications; indexes and other works of value to a large reference department. I; (2). Assistant Professor SIMPSON

Prerequisite. Library 2a-2b.

15a-15b. **Seminar in Library Economy.**—Special problems; library economy publications. I, II; (2). Assistant Professor SIMPSON and others

24a-24b. **Selection of Books.**—Foreign fiction; drama; poetry; special problems in selection. I, II; (2). Miss FELSETHAL

26a-26b. **Library Administration.**—Advanced order work; library organization; library architecture; legislative and municipal reference work; library work with children; special topics. This course includes an inspection trip to libraries and book-publishing firms in selected cities, requiring about one week and costing approximately thirty dollars (\$30.00); and also one month of field work in a designated library, costing approximately fifty dollars (\$50.00). I, II; (3). Assistant Professor CLEAVINGER and others

27. **Bibliographical Institutions.**—Organization and work of bibliographical societies and institutions of America and Europe; cooperative bibliographical undertakings, international bibliography. I, (1). Miss BOND

28. **Practise.**—Advanced practise in certain departments of the University library. II, (1 to 4).¹ *Time to be arranged.* Assistant Professor SIMPSON

29. **Advanced Classification and Cataloging.**—Systems of book classification, comparative rules for cataloging books. II; (2). Miss BOND

Prerequisite: Library 17, 18.

40a-40b. **Practise.**—A continuation of Library 30 supplemented by one month of work as a member of the staff of an assigned public or other library. I, II; (3). Assistant Professor CLEAVINGER

41a-41b. **Subject Bibliography.**—Selection of books in special subjects; the literature and bibliography of each. Lectures by professors in the respective departments of the University. I, II; (1). Assistant Professor CLEAVINGER and others

13a-42. **Public Documents.**—First semester: production and distribution of United States documents; their treatment and use as reference books. Second semester: American state and municipal documents; publications of foreign governments. I, II; (2 and 3). Miss BOYD, Miss JOHNSON

Summer Session Courses

During the academic year of 1921-1922 in connection with the University of Illinois summer session, the Library School offered the following courses:

Eight weeks' courses for college graduates, for credit toward the B.L.S. degree. Only those students are registered in these courses who can meet the entrance requirements of the Library School.

S17. **Classification.**

Assistant Professor CLEAVINGER

S18. **Cataloging.**

Miss BOND

S20. **Loan Department.**

Assistant Professor CLEAVINGER

S23. **Library Administration.**

Miss BOYD

S30. **Practise.**

Miss BOND

Six weeks elementary courses for which credit is not given toward the B.L.S. degree. These courses are intended for persons not eligible for admission to the Library School and such students must hold library positions or be under appointment to such positions or must have done at least one year's work in a recognized college or university.

¹In registering for a course with variable credit hours, a student must put down on his study list not the possible hours, as shown here, but the number of hours which he intends to take the course; e.g., not 1-4, but 1 or 2, or 3, or 4.

- S1. Classification, Cataloging, Book Numbers.—*Five times a week.*
- S3. Selection of Books.—Book selection and subject bibliography. *Twice a week.*
Miss ADAH F. WHITCOMB
- S4. Libraries and Children.—Selection and discussion of children's books; administration of children's libraries; classification and cataloging. *Twice a week.*
- S5. Order and Accession.—Loan department; binding and repair. *Twice a week.*
- S6. Library Administration and Extension.—*Twice a week.*
- S32. Reference Work.—Reference books suited to the small public library. *Three times a week.*

MATHEMATICS

Professors TOWNSEND, MILLER, SHAW, COBLE, CARMICHAEL; Associate Professor EMCH; Assistant Professors CRATHORNE, WAHLIN, KEMPNER, BLUMBERG, LYTLE; Dr. GREEN, Dr. STEIMLEY, Dr. BRAHANA, Dr. TURNER, Dr. HASEMAN, Dr. ARMSTRONG, Dr. CAMP, Dr. STETSON, Dr. PETTIT, Dr. LIBMAN; Mr. HURST, Mr. BENDER, Mr. MARTIN, Mr. BENNETT, Mr. STEVENSON, Mr. JOHNSTON, Mr. ARNOLD, Mr. HUBER, Mr. HOPKINS, Mr. TAYLOR, Mr. BAGBY, Mr. BAILEY, Mr. OGG, Mr. CONKWRIGHT, Mr. HOOVER, Mr. HOSFORD

Major: 20 hours made up from any undergraduate courses offered by the department, except Mathematics 2, 3, 4, and 8, and including Mathematics 7 and 9.

Minors: 20 hours selected from not more than three of the following subjects: astronomy, chemistry, physics, theoretical and applied mechanics, and surveying. At least 8 hours must be offered in some one subject.

Courses for Undergraduates

2. College Algebra.—I or II; (3).

Professor MILLER, Professor SHAW; Assistant Professor WAHLIN, Assistant Professor KEMPNER, Assistant Professor BLUMBERG, Assistant Professor LYTLE, Dr. GREEN, Dr. STEIMLEY, Dr. BRAHANA, Dr. HASEMAN, Dr. TURNER, Dr. ARMSTRONG, Dr. STETSON, Dr. LIBMAN, Dr. PETTIT, Mr. HURST, Mr. BENDER, Mr. MARTIN, Mr. BENNETT, Mr. STEVENSON, Mr. JOHNSTON, Mr. ARNOLD, Mr. HUBER, Mr. HOPKINS, Mr. TAYLOR, Mr. BAGBY, Mr. BAILEY, Mr. OGG, Mr. CONKWRIGHT, Mr. HOOVER, Mr. HOSFORD.

Prerequisite: Entrance algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit.

3. Algebra.—(For students presenting only one unit of entrance algebra.) In addition to the work of college algebra (Mathematics 2), there are covered the more advanced topics of elementary algebra. I; (5).

Dr. BRAHANA, Dr. HASEMAN, Dr. TURNER, Dr. ARMSTRONG, Dr. STETSON, Dr. CAMP, Dr. PETTIT, Mr. MARTIN, Mr. BENNETT, Mr. TAYLOR, Mr. BAGBY, Mr. HOOVER, Mr. HOSFORD.

Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit.

4. Plane Trigonometry.—I or II; (2).

Professor MILLER, Professor COBLE, Professor CARMICHAEL, Assistant Professor WAHLIN, Assistant Professor KEMPNER, Assistant Professor BLUMBERG, Assistant Professor LYTLE, Dr. GREEN, Dr. STEIMLEY, Dr. BRAHANA, Dr. HASEMAN, Dr. TURNER, Dr. ARMSTRONG, Dr. STETSON, Dr. LIBMAN, Dr. PETTIT, Mr. HURST, Mr. BENDER, Mr. MARTIN, Mr. BENNETT, Mr. STEVENSON, Mr. JOHNSTON, Mr. ARNOLD, Mr. HUBER, Mr. HOPKINS, Mr. TAYLOR, Mr. BAGBY, Mr. BAILEY, Mr. OGG, Mr. CONKWRIGHT, Mr. HOOVER, Mr. HOSFORD.

Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit.

6. Analytic Geometry.—Plane and solid analytic geometry. I or II; (5).

Assistant Professor WAHLIN, Assistant Professor LYTLE; Dr. GREEN, Dr. STEIMLEY, Dr. HASEMAN, Dr. TURNER, Dr. ARMSTRONG, Dr. CAMP, Dr. PETTIT, Mr. HURST, Mr. BENDER, Mr. MARTIN, Mr. BENNETT, Mr. STEVENSON, Mr. JOHNSTON, Mr. ARNOLD, Mr. HUBER, Mr. TAYLOR, Mr. BAGBY, Mr. BAILEY, Mr. CONKWRIGHT, Mr. HOOVER, Mr. HOSFORD.

Prerequisite: Mathematics 2 (or 3), 4.

6a. Analytic Geometry.—(For chemists and chemical engineers.) Plane and solid analytic geometry. This course is planned as a preparation for Mathematics 8. II; (4).

Professors COBLE, CARMICHAEL; Associate Professor EMCH

Prerequisite: Mathematics 2 (or 3), 4.

7-9. Differential and Integral Calculus.—The principles developed and applied to functions of one and of several variables. I; (5); II; (3).

Professor SHAW, Professor COBLE, Professor CARMICHAEL, Professor MILLER, Associate Professor EMCH, Assistant Professor CRATHORNE, Assistant Professor WAHLIN, Assistant Professor BLUMBERG, Assistant Professor LYTLE, Dr. STEIMLEY, Dr. BRAHANA, Dr. HASEMAN, Dr. TURNER, Dr. ARMSTRONG, Dr. STETSON, Dr. PETTIT, Dr. LIBMAN.

Prerequisite: Mathematics 6.

19. Solid Analytic Geometry.—This course is designed to furnish the geometric training needed in parts of Mathematics 9 and also as a continuation of Mathematics 6. A review of the plane and right line in space; quadric and other surfaces; plotting of surfaces. Curves in space. It may be taken in connection with Mathematics 9. II; (3).

Prerequisite: Mathematics 7 or 8.

8a-8b. Differential and Integral Calculus.—(For students in chemistry and chemical engineering.) I, II; (3). Assistant Professor KEMPNER, Dr. GREEN, Dr. CAMP

Prerequisite: Mathematics 6a or 6.

9a. Differential and Integral Calculus.—(Second course). The definite (single and multiple) integrals; the formation of problems in applied mathematics; line, surface, and volume integrals; the theorem of Stokes and Green; partial differentiations; exact integrals with applications of the conditions for exactness; elements of differential equations, approximate quadrature and integration of differential equations. I; (2).

Professor SHAW, Associate Professor EMCH, Dr. GREEN, Dr. CAMP

Prerequisite: Mathematics 7 and 9 (or 8).

Courses for Advanced Undergraduates and Graduates

10. Theory of Equations and Determinants.—Properties of an algebraic equation in one unknown; systems of simultaneous equations; a system of linear equations; determinants. I; (3).

Prerequisite: Mathematics 7 and 9 (or 8).

16-17. Differential Equations and Advanced Calculus.—Ordinary and partial differential equations; special topics of calculus. I, II; (3). Professor TOWNSEND

Prerequisite: Mathematics 7 and 9 (or 8).

18. Constructive and Projective Geometry.—Methods of geometric constructions and constructive solution of problems. Approximative constructions. Discussion of possibilities of construction by ruler and compasses, by double-ruler, and instruments of higher order. Elements of inverse geometry in plane and space. Stereographic projection; isometric projection; orthographic projection, perspective; geometrical principles involved in projective processes; introduction to projective geometry. Analytic formulation of projective methods. II; (3).

Associate Professor EMCH

Prerequisite: Mathematics 6.

20. Graphical and Numerical Methods.—Representation of functions by means of scales, charts, and nomograms; analytical approximation of empirical functions; graphical and numerical differentiation, integration, and solution of differential equations; approximate solution of algebraic and transcendental equations; theory of probability, errors, least squares, and correlation. II; (3).

Assistant Professor BLUMBERG

Prerequisite: Math. 7 and 9 (or 8).

22. Statistics.—Graphical exhibition of data; meaning, use, and abuse of various kinds of averages; frequency distributions; measures of dispersion, applications of theory of probability; correlation; measurement and elimination of secular trend and of cyclical changes. I; (3).

Assistant Professor CRATHORNE

Prerequisite: Mathematics 2; junior standing.

23. Mathematics of Finance.—Mathematical theory of interest and discount; annuities; sinking funds; valuation of bonds; depreciation; building and loan associations; theory of probability and its application to simple problems in life insurance. II; (3).

Assistant Professor CRATHORNE, Assistant Professor WAHLIN, Dr. BRAHANA, Dr. STETSON, Dr. CAMP.

Prerequisite: Mathematics 2; junior standing.

[30-31. Actuarial Theory.—Life contingencies; life tables; monetary tables; valuation of policies to meet statutory requirements; risk; distribution of surplus; annual reports; inheritance taxes; old age pensions; workmen's compensation; investing the funds of an insurance company. I, II; (3). Not given 1922-23. Assistant Professor CRATHORNE

Prerequisite: Mathematics 7 and 9 (or 8), 23.

32. History of Mathematics.—The elementary subjects; rise and growth of the higher mathematics, chiefly in the nineteenth century; biography. Lectures; reports on assigned reading. II; (3). Assistant Professor LYTLE

Prerequisite: Eighteen hours of mathematics, including Mathematics 7, 9.

35. Teachers' Course.—Secondary algebra and geometry; educational value; position in course; methods of teaching; correlation; American and foreign methods; order and importance of topics; text-books; literature. Lectures; discussions; reports. I; (3). Assistant Professor LYTLE

Prerequisite: Eighteen hours of mathematics, including Mathematics 7, 9.

[40. Fundamental Concepts of Mathematics.—The number concept; unity, aggregate order, and correspondence; irrationals and limits, transcendence of e and n ; parallel axiom and non-euclidian geometrics; constructions with ruler and compass; function; logic of mathematics. II; (3). Not given 1922-1923. Assistant Professor LYTLE]

Prerequisite: Eighteen hours of mathematics, including Mathematics 7, 9.

90. Undergraduate Thesis.—Special training in mathematical investigation for seniors. I, II; (2). Members of the department

Prerequisite: Twenty-four hours of college mathematics.

91. Introduction to Modern Mathematics.—The purpose of the course is to broaden the student's horizon by introducing him—through suggestive lectures, literature, references and discussions—to some of the more fruitful ideas and methods in modern mathematics. Open to seniors specializing in mathematics; otherwise by permission of the instructor. I, II; (2). Assistant Professor BLUMBERG

Prerequisite: Twenty hours of College mathematics.

Courses for Graduates

Students entering on graduate study with a major in mathematics must have had twenty-five semester hours of undergraduate work in mathematics, including a year's course in calculus, and a course in theory of equations or in differential equations.

100. Seminar and Thesis.—*Three times a week; I, II; (1 or 2 units).*

Professors in department

101. Functions of Real Variables.—(Introductory course.) Theory of point sets with applications to problems in differentiation and integration. *Three times a week; I, II (1 unit).* Professor TOWNSEND

[102. Functions of a Complex Variable.—*Three times a week; I, II; (1 unit).* Not given in 1922-1923. Professor TOWNSEND]

103. Continued Fractions and Irrational Numbers.—Arithmetic and algebraic properties of continued fractions. Approximation of algebraic and transcendental numbers by continued fractions and other processes. Function-theoretic properties of continued fractions. *Three times a week; II; (1 unit).* Assistant Professor KEMPNER

[109. Algebraic and Abelian Functions.—Algebraic functions and their integrals on the Riemann surface. Abel's theorem and the inversion problem. Multiple periodic functions. Applications to the geometry on curves. Extensions to functions of two variables and the geometry on surfaces. *Three times a week; I, II; (1 unit).* Not given in 1922-1923. Professor COBLE]

[110. Elliptic Functions.—Approach to the theory of elliptic functions from various points of views; singly periodic functions; doubly periodic functions; applications to geometry, mechanics, and the theory of numbers; periodic functions of two variables. *Three times a week; I, II; (1 unit).* Not given in 1922-1923. Professor CARMICHAEL]

111. Automorphic Functions.—Conformal transformations; group-theoretic and function-theoretic developments; applications. *Three times a week; I, II; (1 unit).*

Associate Professor EMCH

[112. Theory of Linear Difference Equations.—General introduction; the gamma functions; general existence theorems; expansions in functions defined by difference equations and applications to the theory of functions; transcendently transcendental functions. *Three times a week; I, II; (1 unit).* Not given in 1922-1923. Professor CARMICHAEL]

113. Linear Differential Equations.—General existence theorems; oscillation theorems and pendulum problems; function-theoretic considerations; etc. *Three times a week; I, II; (1 unit).* Professor CARMICHAEL

122. Modern Algebra.—*Three times a week; I, II; (1 unit).*

Assistant Professor WAHLIN

[124. The Theory of Numbers.—First semester: Theory of congruences, power residues with special study of quadratic residues and the law of reciprocity, and higher congruences. Second semester: Theory of algebraic numbers, domains of rationality, the theory of ideals. *Three times a week; I, II; (1 unit).* Not given in 1922-1923.

Assistant Professor KEMPNER]

126. Theory of Groups.—Substitution group of low degrees. Sylow's theorem; etc. *Three times a week; I, II; (1 unit).*

Professor MILLER

[127. Theory of Groups.—Advanced course. *Three times a week; I, II; (1 unit).* To be given in 1923-1924.

Professor MILLER]

[129. Theory of Statistics.—Methods of statistical investigation; application to problems in economics, sociology, and biology. *Three times a week; I, II; (1 unit).*

Assistant Professor CRATHORNE]

[131. Algebraic Surfaces.—The application of homogenous coordinates and the theory of invariants to geometry of three dimensions, etc. *Three times a week; I, II; (1 unit)* Not given in 1922-1923.

Assistant Professor EMCH]

[132. Projective Geometry.—*Three times a week; I, II; (1 unit).* Not given in 1922-1923.

Professor COBLE]

[133. Geometric Transformations.—Motion in a plane; perspective; collineation; correlation; polarity; inversion, quadratic transformations; in particular the Steinerian transformation. Discussion of various transformations in space. *Three times a week; I; (1 unit).* Not given in 1922-1923.

Associate Professor EMCH]

[134. Geometry in a Complex Field.—Geometric constructions in a complex plane; bilinear and higher algebraic transformations in a complex plane and their geometric interpretation. Geometric theory of associated point-couples, and its applications. The treatment of imaginary elements in geometry. Theory of foci. Motion in a complex plane. *Three times a week; II; (1 unit).* Not given in 1922-1923.

Associate Professor EMCH]

135. Differential Geometry.—First semester: Metric differential geometry of curves and surfaces; quadratic differential forms. Second semester: Projective differential geometry; geometric interpretations of total and partial differential equations; their invariants and covariants. Either semester may be elected. *Three times a week; I, II; (1 unit).*

Professor COBLE

[141. Vector Calculus.—The algebras applicable to three-dimensional flat space, space analysis, quaternions, and dyadics of Gibbs; applications to mathematical physics. In the second semester space of N dimensions is considered, general differential and integral operators; applications to relativity problems, differential geometry, integral invariants, etc. General dyadics. *Three times a week; I, II; (1 unit).* Not given in 1922-1923.

Professor SHAW]

[143. Linear Algebra.—A general study of linear associative and non-associative algebras, particular types and their chief representatives, with applications. In the second semester the general theory of combinations of elements, study of main types of limitations such as associativity, commutativity, etc. Applications. *Three times a week; I, II; (1 unit).* Not given in 1922-1923.)

Professor SHAW]

145. Linear Operators.—The theory of distributive operators, their auto-functions, and roots, identity operators, orthogonal and bioorthogonal functions and their expansions, integral equations, differential equations, functional equations. In the second semester are considered the algebras of operators. Applications are made to mathematical physics, to problems of elasticity, vibrations, flow of heat, etc. *Three times a week; I, II; (1 unit).*

Professor SHAW

Summer Session Courses

The department of mathematics offers at least five courses each summer for graduates and advanced undergraduates, and these courses will be so varied as to enable advanced students to secure a suitable sequence during four or five successive summer sessions to meet the requirements for at least the master's degree. Three of these five courses are of an intermediate grade, open to advanced undergraduates as well as to graduates, while the other two are primarily for graduate students.

The intermediate courses are for the present to be devoted to the following six subjects: Theory of equations and determinants, advanced calculus, constructive geometry, advanced algebra, differential equations, and advanced analytic geometry. It is proposed to give a course on each of these subjects every two years.

The prerequisites and credit values are the same as for these courses in the regular semesters unless otherwise stated.

Courses for Undergraduates

- | | |
|---------------------------------|---|
| S2. College Algebra.—(3). | Professor SHAW, Assistant Professor LYTLE |
| S4. Plane Trigonometry.—(2). | Dr. GREEN |
| S6. Analytic Geometry.—(5). | Mr. BENDER |
| S7. Differential Calculus.—(5). | Mr. TSCHUDI |
| S8. Integral Calculus.—(3). | Associate Professor EMCH, Dr. CAMP |

Courses for Advanced Undergraduates and Graduates

- S12. Advanced Algebra.—Outline; complex numbers, infinite series, substitutions. (2½). Professor MILLER
Prerequisite: Mathematics 9.
- S16. Differential Equations.—A first course. (2½). Dr. CAMP
Prerequisite: Mathematics 9.
- S20. Advanced Analytic Geometry.—Cross-ratio; inversion; poles and polars; solid geometry; applications. (2½). Dr. GREEN
Prerequisite: Mathematics 7, 9.
- S35. Teachers Course.—High school algebra and geometry; educational value; analysis of content; movements influencing content. (2½). Assistant Professor LYTLE
Prerequisite: Eighteen hours of college mathematics.
- S80. History of Mathematics.—A critical study of Cajori's History of Mathematics (1½). Professor MILLER
Prerequisite: Mathematics 9.

Courses for Graduates

- | | |
|--|--------------------------|
| S100. Seminar or Group Theory.—(1 unit). | Professor MILLER |
| S133. Geometric Transformations.—(1 unit). | Associate Professor EMCH |
| S140. Vector Methods.—(1 unit). | Professor SHAW |

MECHANICAL ENGINEERING

Professors WILLARD, GOODENOUGH, BENEDICT, LEUTWILER; Associate Professors POLSON, HAM, MACINTIRE; Assistant Professors SEVERNS, RIDDELL; Mr. HENWOOD, Mr. CROFT, Mr. ARNOLD, Mr. RADEBAUGH, Mr. KENNEDY, Mr. LANHAM, Mr. HALL, Mr. CRANE, Mr. DEGLER, Mr. NICHOLAS, Mr. FOXWELL, Mr. GOFF, Mr. ESPY, Mr. SCHRICKER, Mr. STARR, Mr. WRIGHT, Mr. SCHROEDER, Mr. CROSBY, Dr. ENGLEHART.

Courses for Undergraduates

1. Steam and Air Machinery.—The construction, operation, and care of boilers, engines, and air compressors; elementary thermodynamics; steam engine performance; transmission of compressed air and its application. (For students in chemical, civil, and mining engineering). I; (3).

Associate Professor POLSON, Assistant Professor SEVERNS, Mr. GOFF, Mr. DEGLER
Prerequisite: Junior standing.

2. Steam Engineering.—Engines, boilers, pumps, condensers, and other steam machinery. II; (3).

Associate Professor POLSON, Mr. ARNOLD, Mr. CROFT, Mr. DEGLER
Prerequisite: Physics 1a-1b, 3a-3b.

4. Steam Engineering.—The theory of the steam engine, steam turbine, and other steam machinery. (For students in mechanical engineering.) I; (3).

Assistant Professors POLSON, MACINTYRE

Prerequisite: Junior standing.

5. Steam Engineering.—Continuation of Mechanical Engineering 4. I; (3).

Associate Professors POLSON, MACINTYRE

Prerequisite: Senior standing.

10. Thermodynamics and Heat Engines.—The transformation of heat into work; the second law, irreversible processes; the properties of media; applications to compressors and heat engines. (For students in electrical and general engineering.) II; (3).

Associate Professor MACINTYRE, Mr. GOFF

Prerequisite: Mechanical Engineering 1 or 2.

13. Thermodynamics.—The transformation of heat into work; the second law and its connection with irreversible processes; the properties of heat media; the perfect gases; saturated and superheated vapors; the flow of fluids. I; (3).

Professor GOODENOUGH

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 21.

14. Thermodynamics.—Application of the principles of thermodynamics to the steam engine, steam turbine, internal combustion engine, air compression and refrigeration. II; (3).

Professor GOODENOUGH

Prerequisite: Mechanical Engineering 13.

15. Gas Power Engineering.—Internal combustion engines, liquid and gaseous fuels and their combustion; gas producers. I and II; (3).

Professor GOODENOUGH

Prerequisite: Mechanical Engineering 14.

17. Refrigeration Engineering.—The theory and application of the principles of mechanical cooling to industrial processes. A study of refrigerants, of machinery and auxiliaries and heat transfer. The cooling of air and commodities. I; (3).

Associate Professor MACINTYRE

Prerequisite: Senior standing in Mechanical Engineering.

23. Mechanical Equipment of Buildings.—Theory and practise of designing simple systems for the mechanical equipment of buildings, including heating and ventilation, refrigeration, fire protection, vacuum cleaning, elevators, lighting, and small power plants. Lectures; laboratory. I; (5).

Professor WILLARD, Assistant Professor SEVERNS

Prerequisite: Senior standing.

25. Heating and Ventilation for Architects.—The theory and application of principles of heating and ventilation to modern practise. Direct and indirect steam and hot water heating; furnace heating; ventilation and air analysis; air conditioning; temperature and humidity control. I; (2).

Professor WILLARD, Assistant Professor SEVERNS

Prerequisite: Senior standing.

28. Heating and Ventilation.—The theory and application of the principles of heating and ventilation to modern practise. Steam boilers and water heaters of steel and cast iron for heating service; heat losses from buildings; direct and indirect steam and hot water heating; using gravity systems; furnace heating; fan blast or mechanical indirect systems; exhaust steam heating; district heating by steam and water; ventilation and air analysis; air conditioning; temperature and humidity control. II; (4).

Professor WILLARD, Assistant Professor SEVERNS

Prerequisite: Mechanical Engineering 65.

31. Mechanics of Machinery.—Mechanisms and mechanical movements; cams, gears, valve gears, and quick-return motions; graphical constructions for displacement, velocity, and acceleration; kinetics of the steam engine mechanism and similar mechanisms; balancing, critical speeds; force and mass reduction. I; (5).

Associate Professor HAM, Mr. CRANE, Mr. FOXWELL, Mr. HENWOOD

Prerequisite: Theoretical and Applied Mechanics 21.

33. Aeronautic Engineering.—History and development of aeronautic science with critical analysis of the design and construction of aircraft. I; (3).

Assistant Professor RIDDELL

Prerequisite: Theoretical and Applied Mechanics 21 and 29; senior standing.

34. Aeronautic Engineering.—Continuation of Mechanical Engineering 33. II; (3).

Assistant Professor RIDDELL

Prerequisite: Mechanical Engineering 33.

- 37. Principles of Management.**—The underlying principles of organization and of management; application of science to industrial problems; selection, training and compensation of labor; modern production methods. I or II; (3). Professor BENEDICT
Prerequisite: Mechanical Engineering 87, 88; senior standing.
- 40. Mechanical Engineering Design.**—Theory of machine design, with application; investigation of actual machines similar to the ones to be designed; design of machinery subjected to heavy and variable stresses; punches, shears, presses, riveters, and cranes. II; (3). Professor LEUTWILER, Professor HAM, Mr. HENWOOD, Mr. CRANE, Mr. FOXWELL
Prerequisite: Theoretical and Applied Mechanics 29; Mechanical Engineering 31.
- 41. Mechanical Engineering Design.**—Continuation of Mechanical Engineering 40. I; (4). Professor LEUTWILER, Professor HAM, Mr. HENWOOD, Mr. FOXWELL, Mr. CRANE
Prerequisite: Mechanical Engineering 40.
- 52. Power Plant Design.**—Study and design of some form of steam power plant. II; (3). Professor LEUTWILER, Mr. HENWOOD, Mr. FOXWELL
Prerequisite: Mechanical Engineering 43 and 65.
- 61. Power Measurement.**—The testing and calibration of instruments and apparatus; use of the indicator, calculation of horse-power and steam consumption; reading of indicator diagrams; valve setting. (For students in electrical engineering.) I; (2). Associate Professor POLSON, Assistant Professor SEVERNS, Mr. ARNOLD, Mr. CROFT, Mr. NICHOLAS, Mr. DEGLER, Mr. ESPY
Prerequisite: Mechanical Engineering 1 or 2.
- 62. Power Measurement and Steam Engines.**—Laboratory work, substantially the same as that given in Mechanical Engineering 61, supplemented by lectures on steam machinery. II; (3). Associate Professor POLSON, Assistant Professor SEVERNS, Mr. ARNOLD, Mr. CROFT, Mr. NICHOLAS
Prerequisite: Junior standing.
- 64. Power Measurement.**—Apparatus for engine and boiler tests— scales, thermometers, indicators, brakes and dynamometers, gauges, calorimeters; methods of calibrating and using such apparatus; tests for horse-power of steam engines; pumps; and gas engines. Reports II; (3). Associate Professor POLSON, Assistant Professor SEVERNS, Mr. ARNOLD, Mr. CROFT, Mr. NICHOLAS, Mr. DEGLER, Mr. ESPY
Prerequisite: Registration in Mechanical Engineering 4 and 14.
- 65. Power Laboratory.**—Experiments on engines, turbines, gas engines, pumps, boilers, injectors, air compressors, heating apparatus, and refrigerating machines. I; (3). Associate Professor POLSON, Assistant Professor SEVERNS, Mr. CROFT, Mr. ARNOLD, Mr. NICHOLAS, Mr. DEGLER, Mr. ESPY
Prerequisite: Mechanical Engineering 14 and 64.
- 71. Forge Work for Agricultural Students.**—Forging and welding, tempering tools; pointing and hardening cultivator shovels, plowshares. *Six hours a week, either half of I or II; (1). Time to be arranged.* Mr. LANHAM
- 73. Woodwork for Agricultural Students.**—Carpentry for the farmer; use of tools; layout and construction of building joints; repairs to buildings and equipment. *Six hours a week, either half of I or II; (1). Time to be arranged.* Mr. HALL, Mr. WRIGHT
- 85-86. Pattern and Foundry Laboratory.**—Analysis and planning of patterns for production of castings; construction of wood and metal patterns; floor, bench and machine moldings; foundry management, planning, routing, dispatching and inspection of work; work operation studies; core making; brass furnace and cupola practise; tool and stock room methods; studies of foundry practises, methods and equipment; experimental investigations. M. E. 85, I; (3). M. E. 86, II; (3). Professor BENEDICT, Mr. KENNEDY, Mr. HALL, Mr. CROSBY, Mr. WRIGHT, Mr. SCHROEDER
- 87-88. Machine and Forge Laboratory.**—Operation of machine tools equipped with facilities for duplicate production of parts; work operation studies; dispatching and inspection of work; investigations of machine tool performance with dynamometers; heat treatment of steel; investigations in heat treatment of metals. M. E. 87, I; (3). M. E. 88, II; (3). Professor BENEDICT, Mr. LANHAM, Mr. RADEBAUGH, Mr. SCHRICKER, Mr. STARR, Dr. ENGLEHART
Prerequisite: M. E. 85 and 86, or equivalent.

97-98. Thesis.—Investigation of special subject and preparation of thesis embodying a review of the literature of the subject, the results of investigation, and a discussion of those results. I or II; (3). *Time to be arranged.*

99. Inspection Trip.—I; (no credit).

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in mechanical engineering presupposes the full undergraduate course in that subject.

107. Thermodynamics.—Application of thermodynamics to the solution of physical and engineering problems. *Twice a week; I; (1 unit). Time to be arranged.*

Professor GOODENOUGH

109. Machine Design.—Rational design; the application of mechanics of materials. Individual problems. *Twice a week; I or II; (1 unit). Time to be arranged.*

Professor LEUTWILER

112. Laboratory Investigations.—Combustion of fuel, boiler economy; steam engines and turbines; gas engines and producers; properties of explosive mixtures; mechanical refrigeration. Original work. *Three times a week; I or II; (1½ units). Time to be arranged.*

Professor WILLARD

114. Mechanics of Machinery.—Advanced problems. *Twice a week; (1 unit). Time to be arranged.*

Professor GOODENOUGH

MECHANICS, THEORETICAL AND APPLIED

Professors TALBOT, MOORE, ENGER, SEELY; Assistant Professors FLEMING, ENSIGN, PUTNAM, WESTERGAARD, RICHART; Mr. DRAFFIN, Mr. LARSON, Mr. SCHWALBE, Mr. GILKEY, Mr. OSGOOD, Mr. PEASE.

Courses for Undergraduates

10. Hydraulics.—Pressure and flow of water; utilization as motive power; observation and measurement of pressure, velocity and flow; power and efficiency; determination of experimental coefficients. Laboratory weekly. II; (3).

Professor ENGER, Professor SEELY, Assistant Professor FLEMING, Assistant Professor PUTNAM

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 21.

14. Elements of Mechanics.—Kinematics, kinetics, and statics. (For architects and others who have not taken the calculus). II; (4).

Prerequisite: Mathematics 2, 4. Mr. DRAFFIN

15-16. Strength of Materials.—Graphical methods; elastic curve of beams; centroids and moments of inertia of areas; reinforced concrete beams and columns; tests of engineering materials. (For students in architecture and others without the prerequisites for course 25 or 29.) Laboratory every other week. I, II; (3).

Assistant Professor WESTERGAARD, Mr. DRAFFIN

Prerequisite: Theoretical and Applied Mechanics 14.

20. Analytical Mechanics.—The mechanics of engineering rather than that of astronomy and physics. Force systems, equilibrium, centroids and center of gravity; friction; kinematics; problems; statement of conditions and use of data. II; (3).

Professor SEELY, Assistant Professor ENSIGN, Assistant Professor WESTERGAARD, Mr. DRAFFIN, Mr. LARSON, Mr. SCHWALBE, Mr. GILKEY, Mr. OSGOOD, Mr. PEASE.

Prerequisite: Mathematics 7; registration in Mathematics 9. (Mathematics 8a and registration in Mathematics 8b for students in chemical engineering and industrial administration.)

21. Analytical Mechanics.—Continuation of course 20. Kinematics and kinetics. I; (2).

Professor ENGER, Assistant Professor ENSIGN, Assistant Professor WESTERGAARD, Mr. LARSON, Mr. SCHWALBE, Mr. GILKEY, Mr. OSGOOD.

Prerequisite: Mathematics 8b or 9; Theoretical and Applied Mechanics 20.

25. Resistance of Materials.—A briefer course than Theoretical and Applied Mechanics 29. (For students in architectural, ceramic, chemical, electrical, and mining engineering.) I; (4).

Professor SEELY, Assistant Professor FLEMING, Assistant Professor ENSIGN, Assistant Professor PUTNAM, Assistant Professor WESTERGAARD, Mr. LARSON, Mr. SCHWALBE, Mr. GILKEY, Mr. OSGOOD, Mr. PEASE.

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

26. Analytical Mechanics and Hydraulics.—Kinematics, kinetics, and hydraulics; problems; hydraulic laboratory. (For students in architectural, electrical, and mining engineering.) Laboratory weekly during the last half of the semester. II; (4).

Professor ENGER, Professor SEELY, Assistant Professor FLEMING, Assistant Professor PUTNAM, Assistant Professor WESTERGAARD.

Prerequisite: Theoretical and Applied Mechanics 25.

29. Resistance of Materials.—Mechanics of materials; properties and requirements for materials of construction; effect of methods of manufacture on quality; specifications and standard tests. (For students in civil, mechanical, and municipal and sanitary engineering.) Recitations; lectures, assigned reading. Laboratory weekly. I; (5).

Professor TALBOT, Professor ENGER, Assistant Professor FLEMING, Assistant Professor ENSIGN, Assistant Professor PUTNAM, Mr. GILKEY, Mr. OSGOOD, Mr. PEASE.

Prerequisite: Mathematics 9; registration in Theoretical and Applied Mechanics 21.

36. Analytical Mechanics.—The portion of course 26 devoted to analytical mechanics. (Open only to railway electrical engineering students.) II; (2).

Assistant Professor PUTNAM

Prerequisite: Theoretical and Applied Mechanics 25.

Courses for Advanced Undergraduates and Graduates

[1. Analytical Mechanics.—Especially for graduates and advanced undergraduates in Arts and Sciences. Lamb's *Statics*. I; (3). Not given in 1922-1923.

Assistant Professor ENSIGN

Prerequisite: Mathematics 8 or 9.]

2. Analytical Mechanics.—(A continuation of Theoretical and Applied Mechanics 2.) Lamb's *Dynamics*. II; (3).

Assistant Professor ENSIGN

Prerequisite: Theoretical and Applied Mechanics 1.

41. Advanced Mechanics of Materials.—Special problems met in engineering. Thick cylinders, guns, curved beams, hooks, chain links, rings, unsymmetrical bending, flat plates, bulk heads; stresses due to impact loads; resistance of materials to repeated loading; collapsing pressure of thin-walled vessels. Exact versus approximate analyses. Methods of extending approximate analyses. General methods of attack. The application of mechanics to special machine parts and structures. I; (3).

Professor SEELY

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29.

42. The Properties of Engineering Materials: Specifications and Inspection.—The properties and uses of materials of construction, iron, steel, non-ferrous metals, wood, concrete, brick, and stone. Standard specifications for materials; methods of inspection. II; (2).

Professor SEELY

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29.

44. Laboratory Work in Testing Materials.—Study of testing machines and strain measuring apparatus; practise in making standard tests in tension, compression, and flexure. Torsion tests, impact tests, repeated stress tests, and tests of special form. Systematic tabulation and reduction of test data. Laboratory and computing room periods. II; (3).

Professor MOORE

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29.

45. Advanced Technical Mechanics.—A survey of graphical and algebraic methods and principles used in technical elastostatics. General theories of deformations of structures, in particular of statically indeterminate structures; principles of virtual work and of least action; the method of the substitute structure; the method of the principal displacements, including the slope-deflection method; Ritz's method; elastic stability and buckling. Application to a variety of structures in different fields of engineering. I; (3).

Assistant Professor WESTERGAARD

46. Advanced Technical Statics.—Selected topics in the mechanics of elastic materials; moment-area principles, graphical analysis of continuous beams, fundamental equations of elasticity, analysis of slabs. II; (2).

Prerequisite: Theoretical and Applied 20 and 25 or 29 or approved work in physics and mathematics.

Courses for Graduates

Entrance on graduate work in theoretical and applied mechanics presupposes a full undergraduate course in that subject.

101. Analytical Mechanics.—The historical development of methods of analysis; advanced problems in statics and dynamics; critical and comparative study of texts. *Twice a week; II; (1 unit).* Professor MOORE

102. Resistance of Materials.—Properties of materials used in engineering construction and methods of determining these properties; mechanics of materials; effect of form or member in a structure or machine; the method of application of forces; comparative study of texts. *Twice a week; II; (1 unit).* Professor MOORE

103. Hydraulics and Hydraulic Engineering.—The laws of hydraulics and their application to engineering problems; hydraulic power and its development; design and investigation. *Twice a week; II; ($\frac{1}{2}$ to 1 unit).* Professor ENGER

104. Experimental Work in the Laboratory of Applied Mechanics.—(a) Laboratory investigation in the materials-testing laboratory; (b) experimental work in hydraulic laboratory. *Twice a week; I, II; ($\frac{1}{2}$ to 1 units).* Professors TALBOT, MOORE, ENGER

105. Experimental and Analytical Work in Reinforced Concrete.—Research; interpretation of experimental results and their application to the design of structures; principles of construction. Laboratory experimentation. *Twice a week; I, II; (1 to 2 units).* Professor TALBOT

Summer Session Courses

S20. Analytical Mechanics.—(3).

Assistant Professor ENSIGN, Assistant Professor WESTERGAARD
Prerequisite: Mathematics 7; registration in Mathematics 9.

S21. Analytical Mechanics.—(3).

Assistant Professor ENSIGN
Prerequisite: Mathematics 9, Theoretical and Applied Mechanics 20.

S25. Resistance of Materials.—(4).

Assistant Professor PUTNAM, Mr. SCHWALBE
Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

Courses for graduates and Advanced Undergraduates

S41. Advanced Mechanics of Material.—(3).

Professor SEELY
Prerequisite: Theoretical and Applied Mechanics 25 or its equivalent.

S42. Properties of Materials.—(2).

Professor SEELY
Prerequisite: Theoretical and Applied Mechanics 25 or its equivalent.

S44. Laboratory Work in Testing Materials.—(3).

Professor MOORE
Prerequisite: Theoretical and Applied Mechanics 25 or its equivalent.

S45. Advanced Technical Mechanics.—(2).

Assistant Professor WESTERGAARD
Prerequisite: Theoretical and Applied Mechanics 25 or its equivalent.

MEDICINE

(See under COLLEGE OF MEDICINE)

METEOROLOGY

(See GEOLOGY)

MINERALOGY

(See GEOLOGY)

MILITARY SCIENCE

Professor DAILEY; Associate Professors POOL, CAMP, BURR, ATKINS, CONNOR; Assistant Professors EHLERT, GROW, BAKER, LYON, RUMBROUGH, WHITESIDES, ALEXANDER, ATWELL, NIHOOF, MALLETT, O'KEEFE; Mr. MORONEY, Mr. DALFERES, Mr. GOLDEN, Mr. FOSTER, Mr. TALBOT, Mr. LYNCH, Mr. PINSENSHAUM, Mr. SHEA, Mr. HUGHES.

Freshman Infantry

1a-2a. Practical.—Organization; military courtesy and discipline; infantry drill regulations; disciplinary gymnastics; gallery practice; range practice; scouting and patrolling. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor POOL, Assistant Professor EHLERT, Assistant Professor BAKER, Assistant Professor NIHOOF, Mr. MORONEY, Mr. GOLDEN

1b-2b. Theoretical.—Infantry drill regulations; care and handling of arms and equipment; rifle marksmanship; military policy; personal hygiene; first aid; sanitation; military courtesy and customs of the service. *One hour a week.* I, II; ($\frac{1}{2}$).

Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Assistant Professor NIHOOF, Mr. MORONEY, Mr. GOLDEN

Sophomore Infantry

3a-4a. Practical.—Infantry weapons; command and leadership; musketry; topography. *Two hours a week.* I, II; ($\frac{1}{2}$).

Professor DAILEY, Associate Professor POOL, Assistant Professor EHLERT, Assistant Professor BAKER, Assistant Professor NIHOOF, Mr. MORONEY, Mr. GOLDEN

3b-4b. Theoretical.—Topography and map reading; military policy; first aid and camp sanitation. *One hour a week.* I, II; ($\frac{1}{2}$).

Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Assistant Professor NIHOOF, Mr. GOLDEN, Mr. MORONEY

Junior Infantry

5a-6a. Practical.—Duties of officers and non-commissioned officers, including all subjects in 1a-2a, 3a-4a, accompanying weapons. *Three hours a week.* I, II; ($\frac{1}{2}$).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Assistant Professor BAKER, Assistant Professor NIHOOF, Mr. MORONEY, Mr. GOLDEN

5b-6b. Theoretical.—Musketry; accompanying weapons; international and military law; field engineering. *Two hours a week.* I, II; (1).

Associate Professor POOL, Assistant Professor EHLERT, Assistant Professor BAKER, Mr. MORONEY, Mr. GOLDEN

Junior Infantry

(For students who have had previous ROTC Training. See MILITARY SCIENCE).

5c-6c. Practical.—Accompanying weapons, including the functioning of Machine Gun and Howitzer Companies. *Two hours a week.* I, II; ($\frac{1}{2}$).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Mr. MORONEY, Mr. GOLDEN

5d-6d. Theoretical.—Accompanying weapons; law; field engineering. *Three hours a week.* I, II; (1).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Mr. MORONEY, Mr. GOLDEN

Senior Infantry

7a-8a. Practical.—Duties of officers and non-commissioned officers, including advanced work in subjects 5a-6a and 5b-6b, and solution of problems in musketry and minor tactics. *Three hours a week.* I, II; ($\frac{1}{2}$).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Assistant Professor BAKER, Assistant Professor NIHOOF, Mr. MORONEY, Mr. GOLDEN

7b-8b. Theoretical.—Company administration; military history and policy of the United States; study of the world war; minor tactics. *Two hours a week.* I, II; (1).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Mr. MORONEY

Senior Infantry

(For students who have had previous ROTC Training. See MILITARY SCIENCE)

7c-8c. Practical.—Continuation of subjects given in 5c-6c, especially the duties of non-commissioned officers. *Two hours a week.* I, II; ($\frac{1}{2}$).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Assistant Professor BAKER, Mr. MORONEY, Mr. GOLDEN

7d-8d. Theoretical.—Minor tactics military history of the United States; administration. *Three hours a week.* I, II; (1).

Professor DAILEY, Associate Professor POOL, Associate Professor CAMP, Assistant Professor EHLERT, Mr. MORONEY

Freshman Field Artillery

11a-12a. Practical.—Field Artillery drill regulations, fundamental military sciences; pistol practice; field artillery material. Equitation and drivers' instruction. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Mr. FOSTER, Mr. DALFERES

11b-12b. Theoretical.—Field Artillery drill regulations, fundamental military science, field artillery material, elementary gunnery, hippology, (guard duty). *One hour a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Mr. FOSTER, Mr. DALFERES

Sophomore Field Artillery

13a-14a. Practical.—Field Artillery Drill Regulations, topography and reconnaissance, use of fire control instruments; field artillery material; tractor driving; equitation; and mounted drill. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT, Mr. FOSTER, Mr. DALFERES

13b-14b. Theoretical.—Gunnery, topography, and reconnaissance; ordnance; artillery material; tractors; field artillery drill and service regulations; hippology. *One hour a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT, Mr. FOSTER, Mr. DALFERES

Junior Field Artillery

15aa-16aa. Practical.—Field artillery drill regulations, topography and reconnaissance, use of fire control instruments; field artillery material; tractor driving; equitation; and mounted drill. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT, Mr. FOSTER, Mr. DALFERES

15bb-16bb. Theoretical.—Combination of 13b and 15b.

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT, Mr. FOSTER, Mr. DALFERES

(For specially selected students who have completed one year of Field Artillery training and who have had two years' instruction in Junior ROTC Training prior to entering the University.) See MILITARY SCIENCE (page 120.)

15a-16a. Practical.—Field artillery drill regulations, topography and reconnaissance, use of fire control instruments; field artillery material, tractor driving; equitation, and mounted drill. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT

15b-16b. Theoretical.—Gunnery; and conduct of fire; topography, and reconnaissance; liaison and communication; ordnance; artillery material; tractors; field artillery drill and service regulations; hippology. *Three hours a week.* I, II; (1).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT, Mr. FOSTER, Mr. DALFERES

Senior Field Artillery

17a-18a. Practical.—Field Artillery drill regulations; conduct and observation of fire, smoke bombs; reconnaissance and tactics; equitation and mounted drill. Duties of officers and non-commissioned officers. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Mr. FOSTER, Mr. DALFERES.

17b-18b. Theoretical.—Reconnaissance; field engineering and fortifications; military law, military history of the United States rules of Land Warfare; army administration. *Three hours a week.* I, II; (1).

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor MALLETT, Mr. FOSTER, Mr. DALFERES.

Freshmen Cavalry

21a-22a. Practical.—School of the Trooper, mounted and dismounted; care of horses and equipment; rifle marksmanship; swordsmanship; scouting and patrolling; cavalry pack. *Two hours a week.* I, II; ($\frac{1}{2}$). Assistant Professor GROW

21b-22b. Theoretical.—Discipline and courtesy; rifle marksmanship; cavalry drill; scouting and patrolling. *One hour a week.* I, II; ($\frac{1}{2}$). Assistant Professor GROW

Sophomore Cavalry

23a-24a. Practical.—Equitation; cavalry drill; pistol marksmanship; command and leadership; musketry; map reading and sketching. *Two hours a week.* I, II; ($\frac{1}{2}$). Assistant Professor O'KEEFE

23b-24b. Theoretical.—Discipline and courtesy; cavalry drill; hygiene and first aid; topography; pistol marksmanship. *One hour a week.* I, II; ($\frac{1}{2}$). Assistant Professor O'KEEFE

Junior Cavalry

25a-26a. Practical.—Equitation; machine gun marksmanship; auto rifle marksmanship; command and leadership; polo. *Two hours a week.* I, II; ($\frac{1}{2}$). Assistant Professor ATWELL

25b-26b. Theoretical.—Military law; communications; field engineering; minor tactics; hippology; cavalry drill. *Three hours a week.* I, II; (1). Assistant Professor ATWELL

Senior Cavalry

27a-28a. Practical.—Command and leadership; equitation; polo. *Two hours a week.* I, II; ($\frac{1}{2}$). Assistant Professor O'KEEFE

27b-28b. Theoretical.—Military History; administration; packing; minor tactics. *Three hours a week.* I, II; (1). Assistant Professor O'KEEFE

Freshmen Engineers

31a-32a. Practical.—Organization; military courtesy and discipline; infantry drill; care and handling of arms and equipment; guard duty; gallery practice; range practice; knots and lashings; trenches and bridges. *Two hours a week.* I, II; ($\frac{1}{2}$). Assistant Professor LYON

31b-32b. Theoretical.—Infantry drill regulations; theory of target practice; morale; duties of engineer troops; topography; bridge construction; fortification. *One hour a week.* I, II; ($\frac{1}{2}$). Assistant Professor LYON

Sophomore Engineers

33a-34a. Practical.—Review of subjects given in 31a-32a; field fortification; automatic weapons; gallery practice; sketching; demolitions. *Two hours a week.* I, II; ($\frac{1}{2}$). Associate Professor ATKINS, Assistant Professor LYON

33b-34b. Theoretical.—Infantry drill regulations; military hygiene; sanitation; first aid; automatic weapons; grenades; musketry; map reading and military sketching; demolitions. *One hour a week.* I, II; ($\frac{1}{2}$). Associate Professor ATKINS, Assistant Professor LYON

Junior Engineers

35a-36a. Practical.—Duties of engineer officers and non-commissioned officers; engineering problems on bridges; railroads and roads; military law; machine guns and howitzers; field engineering. *Two hours a week.* I, II; ($\frac{1}{2}$).

Associate Professor ATKINS, Assistant Professor LYON

35b-36b. Theoretical.—Field engineering; military law; machine gun and howitzers; minor tactics. *Three hours a week.* (1) Or, one hour a week of military science. ($\frac{1}{2}$) and two hours a week of a technical elective in the College of Engineering (for which credit will be given in that college). I, II. Associate Professor ATKINS, Assistant Professor LYON

Senior Engineers

37a-38a. Practical.—Duties of engineer officers; instruction of students in basic course; general construction; minor tactics; mechanical equipment and ordnance. *Two hours a week.* I, II; ($\frac{1}{2}$). Associate Professor ATKINS, Assistant Professor LYON

37b-38b. Theoretical.—Military administration and supply; military policy; military history; general construction; minor tactics; mechanical equipment and ordnance. *Three hours a week.* (1) Or, one hour a week of military science ($\frac{1}{2}$); and two hours a week of technical elective in the College of Engineering (for which credit will be given in that college). I, II. Associate Professor ATKINS, Assistant Professor LYON

Freshmen Signal Corps

41a-42a. Practical.—Signal corps drill, dismounted; laying field wire from breast reel and wire cart; operation of field telephones and switchboards; wig wag; semaphore and lamp signalling; pistol range practice; setting up and operating field radio telephone and telegraph sets. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor RUMBOUGH, Mr. LYNCH

41b-42b. Theoretical.—Signal corps drill, dismounted; schools of the soldier, squad, platoon and company; ceremonies; splicing field wire; buzzer practice in the International Morse (Radio) code. *One hour a week.* I, II; ($\frac{1}{2}$).

Assistant Professor RUMBOUGH, Mr. LYNCH

Sophomore Signal Corps

43a-44a. Practical.—Sketching an area by plane table; operation of message center; coding and recording messages; calibrating field radio sets by wavemeter; radio net operation; practice in connecting field telephone system to an automatic telephone system; trouble shooting on field lines and switchboards. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor RUMBOUGH, Mr. LYNCH

43b-44b. Theoretical.—Principles of plane table sketching; codes and ciphers; message center technique; elementary principles of radio telegraphy and telephony; the automatic telephone switchboard; wire axis installation and maintenance within a division. *One hour a week.* I, II; ($\frac{1}{2}$).

Assistant Professor RUMBOUGH, Mr. LYNCH

Junior Signal Corps

45a-46a. Practical.—All members of this class are officers or non-commissioned officers of the freshman and sophomore companies and drill with the companies to which assigned; practise in command of troops and instructing in technical subjects. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor RUMBOUGH, Mr. LYNCH

45b-46b. Theoretical.—Study of the tactical use of signal communications with all arms of the service; lectures by officers of infantry, field artillery, cavalry, engineers and air service on the tactics of their arms; map problems; telephone and telegraph engineering. *Three hours a week.* (1).

Assistant Professor RUMBOUGH, Mr. LYNCH

Senior Signal Corps

47a-48a. Practical.—Radio laboratory; characteristic curves of vacuum tubes; radio measurements; study of damped and undamped wave radio telegraph sets; practice in the U. of Ill. radio station WRM. *Three hours a week.* I, II; ($\frac{1}{2}$).

Mr. BROWN

47b-48b. Theoretical.—Radio engineering; a mathematical and physical study of the principles of radio telegraphy and telephony. *Two hours a week.* I, II; (1).

Mr. BROWN

Freshman Aviation (Heavier and Lighter than Air)

51a-52a. Practical.—Organization, military courtesy, discipline, drill hygiene, first aid, sanitation, care and handling of arms and equipment, small-arms firing, interior guard duty, code and buzzer and visual signaling, construction and operation of wire-telephones, military sketching and map reading. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor WHITESIDES, Mr. TALBOT

51b-52b. Theoretical.—Principles of organization and administration of a squadron, military hygiene, first aid and sanitation, fundamental principles of military customs, courtesies and discipline, interior guard duty, school of the soldier, squad, platoon, and squadron; ceremonies; description, nomenclature, care and use of the rifle and the .45-calibre automatic pistol; elementary electricity and magnetism, history and development of aeronautics, characteristics, limitations and employment of the air service, air service organization in general. *One hour a week.* I, II; ($\frac{1}{2}$).

Assistant Professor WHITESIDES, Mr. TALBOT

Sophomore Aviation (Heavier and Lighter than Air)

53a-54a. Practical.—Problems in map reading, sketching miniature range, infantry drill, fundamentals of leadership, duties of non-commissioned officers, taking down and assembling automatic rifle, range practise and matches with the .45-calibre automatic pistol, aerial machine guns, drill and stripping ring sights, gears, exercises and problems in patrolling, tactical walks, use of ground, messages and reports, miniature range, artillery adjustments. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor WHITESIDES, Mr. TALBOT

53b-54b. Theoretical.—Map reading, military sketching and map coordinates, fundamentals of leadership, infantry drill regulations, the .45-calibre pistol, preliminary instruction in marksmanship, automatic rifle, aerial machine gun, principles governing patrolling, messages and reports, operation of standard ground and airplane radio sets, artillery and infantry liaison; moving pictures of air service subjects will be shown during additional hours. *One hour a week.* I, II; ($\frac{1}{2}$).

Assistant Professor WHITESIDES, Mr. TALBOT

Junior Aviation (Heavier than Air)

55a-56a. Practical.—Military field engineering problems, minor tactics, map maneuvers, war game, tactical walks, radio mechanics section, shop, bench and lathe work, installation and repair of standard ground and airplane radio sets, buzzer practise, miniature range, artillery adjustment, interpretation of aerial photographs, map making from aerial photographs, aeronautical engines, shop work, trouble shooting. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor WHITESIDES, Mr. TALBOT

55b-56b. Theoretical.—Elements of field engineering, trenches, concealment and camouflage, offensive and defensive conduct of small units, organization of the ground, ammunition supply, liaison agents of the command, liaison by airplanes and balloons, radio mechanics section, cameras, types, with purpose and characteristics of each, study of details from aerial photographs, aeronautical engines, principles, carburation, ignition, lubrication, cooling, trouble shooting, types of engines, aerial gunnery, theory and general information, aerial bombardment. *Three hours a week.* I, II; (1).

Assistant Professor WHITESIDES, Mr. TALBOT

Senior Aviation (Heavier than Air)

57a-58a. Practical.—Squadron paper work, squadron administration, moot courts, direction finding, nomenclature of standard radio equipment, airplane rigging, nomenclature and construction of airplanes, assembling and alignment, repair, and inspection, care of machines, patching, mending and doping, splicing and soldering, mending longerons, instruments, types of service planes. *Two hours a week.* I, II; ($\frac{1}{2}$).

Assistant Professor WHITESIDES

57b-58b. Theoretical.—Important United States campaigns and battles, history of the Military Policy of the United States, history and development of military aeronautics, the article of war, courts-martial, evidence, rules of land warfare, aerial navigation, meteorology, air service organization, air service operations, aerial tactics, theory of flight, aerodynamics, stability, control, airplanes, nomenclature, rigging, materials and stresses, woods fabrics and dopes, wire and fittings, propellers. *Three hours a week.* I, II; (1).

Assistant Professor WHITESIDES

MINING ENGINEERING

Professor STOEK; Assistant Professors ARMS, DRUCKER, HOSKIN; Mr. SMITH, Mr. STEWART.

1. Earth and Rock Excavation.—Explosives; blasting; boring; tunneling; shaft-sinking; coal-cutting; timbering and prospecting. I; (3). (For mining students only.)

Assistant Professor DRUCKER, Mr. SMITH

Prerequisite: Chemistry 1a or 1b.

2. Mining Principles.—Terminology; explosives and blasting; well and rock drilling; coal-cutting; shaft-sinking and tunneling; methods of working and timbering flat and inclined deposits. (For students in courses other than mining. Of special interest to those taking advanced military work.) II; (3). Assistant Professor DRUCKER, Mr. SMITH

Prerequisite: Chemistry 1a or 1b; junior standing.

4. Mining Methods.—Mining and timbering of bedded, vein, and placer deposits. II; (3).

Professor STOEK

Prerequisite: Mining 1 and Geology 43.

6. Mechanical Engineering of Mines.—Hoisting, ropes, cages, hoisting engines, and other appliances. Haulage; the different systems used underground and on the surface; the methods of loading and unloading; mine stables; transportation of workmen. Drainage of mines; mine dams, mine pumps. II; (3).

Assistant Professor DRUCKER

Prerequisite: Mechanical Engineering 62, or equivalent.

8. Mine and Metallurgical Law, Administration, and Accounts.—Laws governing location, ownership, and policing of mines. Trade agreements, relations between employers and employees. Sociology. Accounts and cost sheets. I; (3).

Professor STOEK

Prerequisite: Mining 4.

9. Preparation of Coal and Ore.—History, principles, processes, machines; applications to dry coal preparation and coal washing. Breaking, sizing, and concentrating ores. Laboratory practise in coal washing. I; (3).

Assistant Professor ARMS

Prerequisite: Chemistry 5, Physics 3a-3b.

10. Electrical Engineering of Mines.—Elementary principles of electrical machinery; direct-current motors and generators, storage batteries; power plant equipment; alternating current motors and generators; mining applications of electrical machinery. I; (3).

Prerequisite: Physics 1a-1b.

13. Utilization of Fuels.—The manufacture, handling, and utilization of wood, charcoal, peat, lignite, bituminous coal, anthracite, coke, petroleum, natural and artificial gas and refractories in mining and metallurgical practise. II; (2).

Professor STOEK, Assistant Professor DRUCKER

Prerequisite: Junior standing in College of Engineering.

14. Non-Ferrous Ore Treatment.—Gold, silver, copper, lead, zinc. II; (3).

Assistant Professor DRUCKER

Prerequisite: Junior standing.

15a. Mine Ventilation.—Mine ventilation, signalling, and lighting. II; (2).

Prerequisite: Physics 3a-3b; Mining 2 or 4.

17. Problems.—Problems, library research, and reports on mining or metallurgical subjects. I; (1). Professor STOEK, Assistant Professor ARMS

Prerequisite: Senior standing in mining engineering.

17b. Metallurgical Problems.—Problems and library research on metallurgical subjects. II; (3). Assistant Professor DRUCKER

Prerequisite: Chemistry 7; Mining 14.

21a. Examination, Valuation and Reporting.—The methods of examining, valuing, and reporting on mines, mining and metallurgical plants. Estimation and prospecting of mineral deposits. II; (3). Professor STOEK

Prerequisite: Mining 1 or 2, Mining 4, or registration in Mining 4, Geology 20 and 43 or equivalent.

41. Principles of Mining and Metallurgical Design.—Design of mine structures of wood, steel, and masonry, with drafting practise in design of tipples, shaft houses, bins, and general surface plant. I; (3). Assistant Professor DRUCKER

Prerequisite: Civil Engineering 58, or equivalent.

42. Mining and Metallurgical Design.—General layout; design; estimates for construction and specifications for mining or metallurgical plant. II; (2).

Assistant Professor DRUCKER

Prerequisite: Mining 41.

61. Elementary Mine Surveying.—The theory, use and adjustment of the compass, transit and level; the computation of areas and volumes; bore hole surveys; map construction; corners and boundaries; elements of mine surveying. Problems with tape, compass, transit and level. I; (3). Mr. SMITH

Prerequisite: General Engineering Drawing, 1 or 4 or 2. Mathematics 4.

62. Mine Surveying.—The application of general surveying methods to mine work; description and use of instruments employed underground and in connecting surface and underground surveys; the platting and use of mine maps; mineral land surveying; the theory and use of solar attachments; determination of the meridian. A surveying trip is made to neighboring mines, of which the estimated cost is \$10.00. II; (3). Mr. SMITH

64. Coal and Ore Preparation Laboratory.—The availability for crushing, dry preparation, washing and briquetting of various coals. Wet and dry concentration test on raw ores with small commercial machines. Design of flow sheets. Sampling, and an analysis of raw and finished products. II; (3).

Prerequisite: Mining 9.

[68. Mine Topography.—Stadia; application of topographic and railroad surveying to mining conditions. II; (1). Not given in 1922-1923. Assistant Professor ARMS

Prerequisite: Civil Engineering 35 or Mining 61.]

90. Mining and Metallurgical Reports.—Review of mining and metallurgical literature; reports; technical writing. II; (1). Professor STOEK

97-98. Thesis.—In accordance with regulations of College of Engineering. I, II; (3).

99. Mining Inspection Trip.—No credit.

Prerequisite: Senior standing.

Courses for Graduates

The prerequisite for graduate work in mining engineering is the equivalent of the undergraduate courses required for the degree of Bachelor of Science in mining in the branches of the subject in which registration is desired.

In addition to the regular University laboratories, the laboratory connected with the investigation of mining conditions in Illinois now being carried on jointly by the Engineering Experiment Station through the Department of Mining Engineering, the State Geological Survey, and the United States Bureau of Mines, is available for graduate instruction.

NOTE.—Of courses 103, 105, only one will be given, according to election of students.

100. Seminar.—Once a week; I and II; (1 unit).

Professor STOEK

101. Advanced Mining Methods.—Coal and ore fields of the United States; methods and economics of mining; utilization, marketing, storage, and transportation of coal and ores. Twice a week; I and II; (1 unit).

Professor STOEK

102. Advanced Preparation of Coal and Ores.—Detailed investigation and discussion of settling ratios; laws of crushing, sorting vs. sizing; specific mill and washing problems. *Twice a week; I and II; (1 unit).*

104. Mining Reports.—Law of the apex, the classification of coal and ore lands; conservation of mineral resources; mine examination and report. *Twice a week; I and II; (1 unit).* Professor STOEK

105. Welfare Work and Education Among Mine Employees.—The organization and operation of mining institutes, night classes, welfare, mine rescue, and first-aid work. *Twice a week; I and II; (1 unit).* Professor STOEK

106. Advanced Coal, Ore, and Metallurgical Plant Design.—Flow sheets; general layout, design, estimates for constructions, and detailed specifications. *Twice a week; I and II; (1 unit).* Assistant Professor DRUCKER

107. Advanced Non-Ferrous Metallurgical Projects.—Detailed investigations upon the treatment of zinc, lead, copper, gold, silver, and similar ores. Problems and reports. *Twice a week; I and II; (1 unit).* Assistant Professor DRUCKER

MUNICIPAL AND SANITARY ENGINEERING

Professors TALBOT, ENGER; Associate Professor BABBITT.

2. Water Supply Engineering.—The principal features of water supply engineering; source of supply; hydraulics of wells; stream flow; impounding and storage reservoirs; conduits and pipe lines; pumps and pumping machinery; stand-pipes and elevated tanks; the distribution system; tests and standards of purity of potable water. Designing weekly. *I; (4).* Professor ENGER, Associate Professor BABBITT

Prerequisite: Theoretical and Applied Mechanics 29, 10; Chemistry 1; Mechanical Engineering 1 or 2.

3. Sewerage.—Sewerage systems; sanitary necessity of sewerage; separate and combined water carriage systems; surveys and general plans; hydraulics; house sewage and its removal; rainfall and storm-water flow; size and capacity of sewers; sewer appurtenances; sewage disposal; estimates and specifications. Designing weekly. *II; (3).*

Associate Professor BABBITT

Prerequisite: Theoretical and Applied Mechanics 29, 10; Chemistry 1; Municipal and Sanitary Engineering 2.

6a-6b. Water Purification, Sewage Disposal, and General Sanitation.—Water purification; design of water purification works; standards and tests of purity of potable water.

Sewage disposal; design of sewage treatment works; garbage collection and disposal; sanitary restrictions and regulations and general sanitation. The sanitation of army camps, hospitals, and industrial communities. Lectures; seminar work; drafting. *I; (3), II; (2).*

Associate Professor BABBITT

Prerequisite: Municipal and Sanitary Engineering 2, 3; Chemistry 1, 3, 10b.

9. Hydraulic Design and Construction.—Reservoirs, dams, conduits, and waterways; hydraulic engineering problems. *II; (2).* Professor ENGER

98. Thesis.—Investigation or design of an engineering problem. *II; (2).*

Professor TALBOT, Associate Professor BABBITT

99. Inspection Trip.—*I; (no credit).*

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in municipal and sanitary engineering presupposes a full undergraduate course in that subject.

102. Water Supply Engineering.—Water supply; general waterworks construction; pumps and pumping; reservoirs and elevated tanks; waterworks operation; valuation of plants. *One to three times a week; I or II; (1 unit).* Professor ENGER

103. Sewerage.—Design and construction of sewerage systems; hydraulics of sewers; run-off. *Once or twice a week; II; (1 unit).* Associate Professor BABBITT

106. Water Purification, Sewage Disposal, and General Sanitation.—Water purification plants and sewage disposal works; comparison of results and cost of construction and operation; experimental work on water and sewage treatment; garbage; general sanitation. *Once a week; II; (½ unit or more).* Associate Professor BABBITT

MUSIC

Professors STIVEN, HARDING; Associate Professor SCHWARTZ; Assistant Professor VAN DEN BERG; Mr. JOHNSON, Mr. BERESFORD, Miss PHILLIPS, Mrs. AYERS, Miss CASS, Mr. LEIDE, Mr. MACNEILL, Miss WATT, Mr. MILES, Miss RUFFIN, Miss STREET, Miss PERCIVAL.

1-2. History.—I, II; (2).

Associate Professor SCHWARTZ

Prerequisite: One year of university work.

3-4. Theory of Music (Harmony).—I, II; (2).

Associate Professor SCHWARTZ, Mr. MILES

5-6. Theory of Music (Harmony).—Continuation of 3-4. I, II; (3).

Associate Professor SCHWARTZ

Prerequisite: Music 3-4.

7-8. Counterpoint, Canon, and Fugue.—I, II; (3).

Associate Professor SCHWARTZ

Prerequisite: Music 5-6.

9-10. Analysis, Musical Form.—I, II; (2).

Professor STIVEN

Prerequisite: Music 7-8.

13-14. Music Appreciation.—The appreciation of good music from the standpoint of the listener. Copiously illustrated with phonograph and reproducing piano. Primarily for students from the other Colleges of the University. I, II; (1).

Professor STIVEN

15-16. Instrumentation and Orchestration.—I, II; (1).

Professor HARDING

Prerequisite: Music 3 to 8 inclusive.

21-22. Ear Training and Sight Singing.—First Year. I, II; (1).

Miss PERCIVAL

23-24. Ear Training and Sight Singing.—Second Year. I, II; (1).

Miss PERCIVAL

Prerequisite: Music 21, 22.

25a-25b. Methods of Teaching.—Primarily for students preparing to teach music in the public schools. I, II; (4).

Miss PHILLIPS

26a-26b. Methods of Teaching.—I, II; (4).

Miss PHILLIPS

Prerequisite: Music 25a-25b.

Piano

Assistant Professor VAN DEN BERG; Mr. MACNEILL, Miss WATT, Miss RUFFIN, Miss STREET.

41c-41d. Introductory Course in Piano, Second Year.—I, II; (1).

41e-41f. Introductory Course in Piano, Third Year.—I, II; (1).

For all courses, Music 42a to 47b, inclusive,—

Prerequisite: Music 41c-f or equivalent.

42a-42b. Piano, First Year.—I, II; (4).

43a-43b. Piano, Second Year.—I, II; (4).

44a-44b. Piano, Third Year.—I, II; (5).

45a-45b. Piano, Fourth Year.—I, II; (5).

46a-46b, 46c-46d, 46e-46f, 46g-46h.—Piano taken as a minor by students majoring in voice, violin, or organ. I, II; (2).

47a-47b, 47c-47d, 47e-47f, 47g-47h. Piano.—For students from other departments of the University. I, II; (2).

Voice

Mr. JOHNSON, Mr. BERESFORD, Mrs. AYERS, Miss CASS.

51c-51d. Introductory Course in Voice, Second Year.—I, II; (1).

51e-51f. Introductory Course in Voice, Third Year.—I, II; (1).

For all courses, Music 52a to 57h, inclusive,—

Prerequisite: Music 51c-f or equivalent.

52a-52b. Voice, First Year.—I, II; (4).

53a-53b. Voice, Second Year.—I, II; (4).

54a-54b. Voice, Third Year.—I, II; (4).

55a-55b. Voice, Fourth Year.—I, II; (4).

56a-56b, 56c-56d, 56e-56f, 56g-56h. Voice.—Voice taken as a minor by students majoring in piano, violin, or organ. I, II; (2).

57a-57b, 57c-57d, 57e-57f, 57g-57h. Voice.—For students from other departments of the University. I, II; (2).

Violin

Mr. LEIDE, Miss STREET

61c-61d. Introductory Course in Violin, Second Year.—I, II; (1).

61e-61f. Introductory Course in Violin, Third Year.—I, II; (1).

For all courses, Music 62a to 67h, inclusive,—

Prerequisite: Music 61c-f or equivalent.

62a-62b. Violin, First Year.—I, II; (4).

63a-63b. Violin, Second Year.—I, II; (4).

64a-64b. Violin, Third Year.—I, II; (5).

65a-65b. Violin, Fourth Year.—I, II; (5).

66a-66b, 66c-66d, 66e-66f, 66g-66h. Violin.—Violin taken as a minor by students majoring in piano, voice, or organ. I, II; (2).

67a-67b, 67c-67d, 67e-67f, 67g-67h. Violin.—For students of other departments of the University. I, II; (2).

Violoncello

Associate Professor SCHWARTZ

71c-71d. Introductory Course in Violoncello, Second Year.—I, II; (1).

71e-71f. Introductory Course in Violoncello, Third Year.—I, II; (1).

For all courses, Music 72a to 77h, inclusive,—

Prerequisite: Music 71c-f or equivalent.

72a-72b. Violoncello, First Year.—I, II; (4).

73a-73b. Violoncello, Second Year.—I, II; (4).

74a-74b. Violoncello, Third Year.—I, II; (5).

75a-75b. Violoncello, Fourth Year.—I, II; (5).

76a-76b, 76c-76d, 76e-76f, 76g-76h. Violoncello.—Violoncello taken as a minor by students majoring in piano, voice, or violin. I, II; (2).

77a-77b, 77c-77d, 77e-77f, 77g-77h. Violoncello.—For students from other departments of the University. I, II; (2).

Organ

Mr. MILES

Students desiring to take *organ* will be obliged to pass without conditions the entrance examination in piano. Under no circumstances will they be accepted if their piano work falls below the standard represented by this examination.

81-82. Organ, First Year.—I, II; (4).

84-85. Organ, Second Year.—I, II; (4).

86-87. Organ, Third Year.—I, II; (5).

88-89. Organ, Fourth Year.—I, II; (5).

83a-83b, 83c-83d, 83e-83f, 83g-83h. Organ.—Organ taken as a minor by students majoring in piano, voice, or violin, or enrolled in another School or College of the University. I, II; (2).

Band and Recital Work

91c-91d. Introductory Course in Band Instruments, Second year.—I, II. (*No collegiate credit*). Professor HARDING91e-91f. Introductory Course in Band Instruments, Third year.—I, II. (*No collegiate credit*). Professor HARDING

93a-93b, 93c-93d, 93e-93f, 93g-93h.—Band Instruments taken as a minor by students majoring in piano, voice, or violin, or enrolled in another School or College of the University. I, II; (2). Professor HARDING

94a-94b. Recital Course in Practical Music.—(For Juniors and Seniors in Music 44a-44b, 45a-45b, 54a-54b, 55a-55b, 64a-64b, 65a-65b, 86-87, 88-89.) I or II; (2).

96a-96b. Band Instrumentation.—I, II; (*no credit*).

Professor HARDING

97a-97b. Band Arranging.—I, II; (*no credit*).

Professor HARDING

98a-98b. Band Conducting.—I, II; (*no credit*).

Professor HARDING

Summer Session Courses

Director STIVEN, Mr. VAN DEN BERG, Mr. JOHNSON, Mr. BERESFORD, Miss TREAT, Mr. SEITZ.

S2b. History of Music.—Music of modern schools of different nations. Collateral reference work and note books are required. (1). Director STIVEN

Prerequisite: The consent of the instructor.

Equivalent: Music 2 (second half).

S4a. Harmony.—Dominant seventh chords and their resolutions; key relations and simple transitions. (1). Director STIVEN

Prerequisite: Music 3.

Equivalent: Music 4 (first half).

S13a. Musical Appreciation.—Structural development of and acquaintance with famous classics of music from an appreciative view point; numerous illustrations with vietrola and piano. (1). Mr. SEITZ

S21b. Ear Training, Elementary Course.—Formation and recognition of intervals, separately and in combinational rhythmic drill; melody making and writing. *No university credit.* Mr. SEITZ

Prerequisite: Entrance credit.

Equivalent: Music 21a (second half).

S23b. Sight Singing, Elementary Course.—Music notation; scale structure; solfeggio. *No university credit.* Mr. SEITZ

Prerequisite: Entrance credit.

Equivalent: Music 23a (second half).

S25b. Public School Music Methods.—Problems of supervision in the high school; study of material and technic of teaching. (4). Mr. SEITZ

Prerequisite: Two years of sight reading and the consent of the instructor.

Equivalent: Music 25a (in part). (Music S25a, as given in 1921 Summer Session, and Music S25b, as above, complete the work of Music 25a.)

S41c-41f. Introductory Course in Piano.—*No university credit.*

Mr. VAN DEN BERG, Miss TREAT

Prerequisite: The consent of the instructor.

Equivalent: Music 41c-41f (in part).

S42-46. Piano, Collegiate Grade.—(1 or 2).

Mr. VAN DEN BERG, Miss TREAT

Prerequisite: Three years of piano study.

Equivalent: Music 42-46 (in part).

S47. Piano, Collegiate Grade.—For students in other schools and colleges of the University. (1). Mr. VAN DEN BERG, Miss TREAT

Prerequisite: Three years of piano study.

Equivalent: Music 47 (in part).

S51c-51f. Introductory Course in Voice.—*No university credit.*

Mr. JOHNSON, Mr. BERESFORD

Prerequisite: The consent of the instructor.

Equivalent: Music 51c-51f (in part).

S52-56. Voice, Collegiate Grade.—(1 or 2).

Mr. JOHNSON, Mr. BERESFORD

Prerequisite: Three years of vocal study.

Equivalent: Music 52-56 (in part).

S57. Voice, Collegiate Grade.—For students in other schools and colleges of the University. (1). Mr. JOHNSON, Mr. BERESFORD

Prerequisite: Three years of vocal study.

Equivalent: Music 57 (in part).

S81. Organ.—(1 or 2).

Miss TREAT

Prerequisite: Three years of piano study or the equivalent.

Equivalent: Music 81 (in part).

S83. Organ.—For students in other schools and colleges of the University. (1). Miss TREAT

Prerequisite: Three years of piano study or the equivalent.

Equivalent: Music 83 (in part).

Students desiring to take organ will be obliged to pass without condition the entrance examination for collegiate standing in piano.

Campus songs, Wednesday evening at 7:00, Auditorium steps.

ORIENTAL LANGUAGES AND LITERATURE

Professor OLMSTEAD

Courses for Advanced Undergraduates and Graduates

1a-1b.¹ Elementary Hebrew.—Grammar and reading. The Book of Genesis. I, II; (3).

Prerequisite: Junior standing.

[10. Elementary Assyrian.—Grammar, sign lists, and reading. I, II; (3). Not given in 1922-1923.

Prerequisite: Oriental Languages 1a and 1b.]

PALEONTOLOGY

(See GEOLOGY.)

PHILOLOGY

(See CLASSICS, ENGLISH LANGUAGE AND LITERATURE, AND ROMANCE LANGUAGES AND LITERATURE.)

PHILOSOPHY

(See also PSYCHOLOGY AND EDUCATION.)

Professors DANIELS, McCCLURE; Assistant Professor LAMPRECHT; Dr. TEN HOOR, Mr. BRETT.

Major: 20 hours from any courses offered by the department, including Philosophy 1, 2, 3, and 4, and one other advanced course. Six hours in psychology may be counted toward a major in philosophy.

Minors: 20 hours in (a) psychology (at least six additional hours, if psychology is counted toward a major), and one other subject in the following groups; or (b) any two subjects in the same group in the following groups: (A) economics, history, political science, education, sociology; (B) English, French, German, Greek, Latin; (C) astronomy, bacteriology, botany, chemistry, geology, mathematics, physics, zoology. No course in any subject of the above groups may be counted for the minor requirement if it is excluded from the major requirement of its respective department.

Courses for Undergraduates

1. **Logic.**—The principles of reasoning; detection of fallacies; evidence. I or II; (3). Professor McCCLURE, Assistant Professor LAMPRECHT, Dr. TEN HOOR, Mr. BRETT.

Prerequisite: One year of university work.

2. **Introduction to Philosophy.**—II; (3).

Assistant Professor LAMPRECHT, Mr. BRETT

Prerequisite: Two years of university work.

Courses for Advanced Undergraduates and Graduates

3. **History of Ancient and Medieval Philosophy.**—I; (3).

Professor McCCLURE

Prerequisite: Three hours in philosophy; junior standing.

4. **History of Modern Philosophy.**—From the Renaissance to the present time. II; (3).

Professor McCCLURE, Dr. TEN HOOR

Prerequisite: Three hours in philosophy; junior standing.

¹It is expected that courses 1a-1b and 10 will be offered in alternate years.

5. **Political Philosophy.**—A study of the great systems of political philosophy, with special attention to Aristotle, Hobbes, Locke, Burke, Bentham, and J. S. Mill. Special reference to the limits of political obligation and to the relation of nationality to international organization. II; (3). Assistant Professor LAMPRECHT

Prerequisite: Senior or graduate standing; one year of college history, and Political Science 1 or 3.

7. **Ethics.**—The beginnings and growth of morality; the fundamental questions of ethical theory; social and economic problems of the present. II; (3). Professor DANIELS

Prerequisite: Three hours in philosophy; senior standing.

9. **Political and Social Ethics.**—A study of the standards and principles of human conduct in political and social relations. Rights and duties of the state and the citizen. International morality. I; (3). Professor DANIELS, Dr. TEN HOOR

Prerequisite: Two years of university work.

[11. **Philosophy of Religion.**—Among the topics considered are: God; revelation; inspiration; dogma; prayer; faith; immortality; the problem of evil; the relation of morality and religion. I; (3). Not given in 1922-1923. Professor DANIELS

Prerequisite: Senior or graduate standing; six hours in psychology or philosophy, or in both.]

12. **Philosophy of Art.**—An inquiry into esthetic expression; the relation of art to life. II; (3). Dr. TEN HOOR

Prerequisite: Three hours in philosophy, junior standing.

[15. **British Philosophy of the Eighteenth Century.**—I; (3). Not given in 1922-1923. Assistant Professor LAMPRECHT

Prerequisite: Philosophy 2 or 3 or 4.]

19. **Conflict of Ideals in Modern Thought.**—I; (3). Assistant Professor LAMPRECHT

Prerequisite: Philosophy 2.

20. **Honors Course.**—I, II; (2).

Professor McCCLURE

Prerequisite: Senior standing.

Courses for Graduates

103. **Ethics.**—*Twice a week; first semester; (1 unit).* Professor DANIELS

107a. **Aristotle.**—*Twice a week. I; (1 unit).* Professor McCCLURE

107b. **Seventeenth Century Continental Thought.**—*Twice a week; II; (1 unit).*

Professor DANIELS

108a. **Contemporary Philosophy.**—*Twice a week; II; (1 unit).* Professor McCCLURE

110. **British Philosophy.**—*Twice a week; I; (1 unit).* Assistant Professor LAMPRECHT

PHOTOGRAPHY

Mr. ELDRIDGE

1-2.¹ **The Principles and Practise of Photography.**—Lenses, cameras; plates and films; exposure; development; printing; copying; positives; landscape, architectural, and scientific photography; speed work, color photography. Lectures; demonstrations. Each student is required to produce a stated amount of work covering processes treated. (For advanced students who use photography in connection with their special subjects.) I, II; *Once a week; (no credit).*

Mr. ELDRIDGE

Prerequisite: Junior standing and the consent of the instructor.

PHYSICAL EDUCATION FOR MEN

(See also ATHLETIC COACHING AND PHYSICAL EDUCATION).

Director HUFF, Mr. STALEY, Mr. WAGNER, Mr. MANLEY, Mr. PREHN, Mr. ALLISON, Mr. SHUMWAY.

1-2. **Gymnasium.**—Two hours' practise each week. Calisthenics and Mass games. (Required of freshmen.) This course in continuous throughout the year. I, II; (½), (1).

Mr. STALEY, Mr. WAGNER, Mr. ALLISON

Swimming taken as an alternate to gymnasium work by those who cannot swim fifty yards.

Mr. MANLEY

¹This course is continuous throughout the year.

1a. **Personal Hygiene.**—Lectures by Dean of Men and Health Officer. Required in conjunction with Physical Education 1. I or II (Required second semester for all freshmen and new students who do not take the course the first semester.)

Dean CLARK, Dr. BEARD
3. **Wrestling.**—Two hours' practise each week. I or II; (1). Mr. PREHN
Prerequisite: P. E. 1 and 2.

4. **Tumbling.**—Two hours' practise each week. I or II; (1). Mr. WAGNER
Prerequisite: P. E. 1 and 2.

5. **Boxing.**—Two hours' practise each week. I or II; (1). Mr. PREHN
Prerequisite: P. E. 1 and 2.

6. **Apparatus Work.**—Two hours' practise each week. I or II; (1). Mr. WAGNER
Prerequisite: P. E. 1 and 2.

7. **Fencing.**—Two hours' practise each week. I or II; (1). Mr. SHUMWAY
Prerequisite: P. E. 1 and 2.

8. **Corrective.**—Two hours' practise each week. I or II; (1). Mr. STALEY
Prerequisite: P. E. 1 and 2.

9. **Circus.**—Two hours' practise each week. I or II; (1). Mr. WAGNER

PHYSICAL EDUCATION FOR WOMEN

Professor FREER; Miss BROOKS, Miss HUGHITT, Miss GREGG, Miss BROWN, Miss HUMRICHOUER, Miss CLEMANS, Miss SCHMOELLER, Miss SHAW.

7a-7b. **Practise.**—Class work; gymnastics; folk dancing; games; personal hygiene. (Required of freshmen). I, II; (2).

Miss BROOKS, Miss HUGHITT, Miss BROWN, Miss HUMRICHOUER, Miss CLEMANS, Miss SCHMOELLER

Correctives: Miss GREGG.

8a-8b. **Practise.**—(Continuation of 7a-7b. Required of Sophomores). I, II; (2).

Miss BROOKS, Miss HUGHITT, Miss BROWN, Miss HUMRICHOUER, Miss CLEMANS
Correctives: Miss GREGG.

Prerequisite: Physical Education 7a-7b.

10a-10b. **The Teaching of Physical Education.**—(Third Year). Theory and practise; with practise teaching in 7a-7b. Lectures and recitations and reports on assigned reading. I, II; (2). Miss FREER

Prerequisite: Psychology or education; registration in Physical Education 8.

11a. **Massage.**—Corrective gymnastics and anthropometry. I; (1).

Miss HUGHITT, Miss GREGG

Prerequisite: Sophomore standing.

11b. **Emergencies.**—Red Cross First Aid certificate given. II; (1). Miss HUGHITT

Prerequisite: Sophomore standing.

12a-12b. **Classic and Interpretive Dancing.**—Dances and exercises in technic. I, II. Miss BROOKS

Prerequisite: Physical Education 7a-7b.

13a-13b. **Interpretive and Natural Dancing.**—I, II.

Miss HUGHITT

Prerequisite: Physical Education 7a-7b.

14a-14b. **Swimming.**—I, II. Miss CLEMANS, Miss HUMRICHOUER, Miss SCHMOELLER

Summer Session Courses

Miss FREER and Miss BUSSELL

S1. **Hygiene.**—($\frac{1}{2}$).

S2. **Gymnastics.**—(1).

S3. **Community Games.**—($\frac{1}{2}$).

S4. **Folk Dancing.**—($\frac{1}{2}$).

S5. **Advanced Dancing.**—($\frac{1}{2}$).

S6. **Coaching of Games.**—($\frac{1}{2}$).

S7. **Swimming.**

PHYSICS

Professors CARMAN, KNIPP, WATSON; Associate Professor KUNZ; Assistant Professors SCHULZ, WILLIAMS; Dr. PATON, Mr. NELSON, Mr. FRITTS, Mr. SCHMIDT, Mr. HAM, Mr. SANDERS, Mr. JENSEN, Mr. PARKERSON, Mr. SMITH, Mr. YOUNG, Mr. WALL, Mr. ARNOLD, Mr. BORDNER, Mr. LITTLE, Mr. CLARK, Mr. HUBBARD.

Major: Twenty hours from courses offered in the department.

Minors: Twenty hours in mathematics, astronomy, chemistry, education, psychology and geology.

Physics 7a-7b and 8a-8b are recommended to students not specializing in mathematics, chemistry, or engineering. For undergraduate students taking advanced work or a major in physics, the following outline of work is suggested:

Freshman year: Trigonometry (Mathematics 4) and Chemistry. Sophomore year: Physics 1a-1b, 3a-3b, or Physics 7a-7b, 8a-8b. Junior year: Physics 15, 16 and 36, 17, 23, or 24. Senior year: Physics 4a-4b, 14a-14b, 20, 22, 25, 30, or 31.

Introductory Courses for Undergraduates

1a-1b. General Physics.—Lectures with class-room demonstration; recitations; written exercises. (For sophomores in engineering, mathematics, physics, and chemistry). I, (3); II, (2).

1bx. General Physics.—Same as Physics 1b except for an extra recitation each week. II, (3).

Professor CARMAN, Assistant Professor SCHULZ, Mr. NELSON, Mr. FRITTS, Mr. SANDERS, Mr. JENSEN, Mr. PARKERSON, Mr. SMITH, Mr. ARNOLD, Mr. BORDNER, Mr. LITTLE.

Prerequisite: Registration in Physics 3a-3b; freshmen mathematics.

3a-3b. Physical Measurements.—Laboratory experiments; quizzes in connection with Physics 1a-1b. I, II; (2).

Assistant Professor SCHULZ, Mr. NELSON, Mr. SANDERS, Mr. JENSEN, Mr. PARKERSON, Mr. SMITH, Mr. ARNOLD, Mr. BORDNER, Mr. LITTLE.

Prerequisite: Physics 1a-1b or registration therein.

7a-7b. General Physics.—Lectures; class-room demonstrations; recitations. (For students in arts and science.) I, II; (2½).

Professor WATSON, Dr. PATON, Mr. HAM, Mr. WALL, Mr. CLARK.

Prerequisite: Mathematics 4, or registration therein; registration in Physics 8a-8b. One year's university standing advised.

8a-8b. Introductory Laboratory Physics.—Physical measurements. I, II; (2½).

Dr. PATON, Mr. HAM, Mr. WALL, Mr. CLARK

Prerequisite: Registration in Physics 7a-7b.

9a-9b. General Physics.—Lectures; class-room demonstrations; recitations. (For students in architecture). I, II; (2).

Professor WATSON, Dr. PATON, Mr. HAM, Mr. WALL, Mr. CLARK

Prerequisite: Mathematics 4; registration in Physics 10a-10b.

10a-10b. Introductory Laboratory Physics.—Physical measurements. I, II; (2).

Dr. PATON, Mr. HAM, Mr. WALL, Mr. CLARK

Prerequisite: Registration in Physics 9a-9b.

Intermediate Courses

15. Electricity and Magnetism.—For students in non-technical courses who wish a knowledge of electricity and magnetism beyond the course in general physics. Two recitations or lectures and one three-hour laboratory exercise weekly. I; (3).

Assistant Professor WILLIAMS

Prerequisite: Physics 1a-1b, 3a-3b, or 7a-7b, 8a-8b.

16. Heat.—Heat phenomena; mechanical theory of heat; thermodynamics. Laboratory experiments in thermometry, calorimetry, vapor pressure, expansion of bodies, transmission of heat, and mechanical equivalent, and method of measurement of high temperatures. II; (3).

Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

17. Light.—Reflection, refraction, interference, diffraction, and polarization; optical instruments; lectures and quizzes. (For students in general physics, but also adapted to those who wish to learn the use of optical instruments.) II; (3).

Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b; 3a-3b; or 7a-7b.

18. Teachers' Course.—Text-books, reference books, laboratory manuals, apparatus ordering, and methods of conducting work. Manipulative work with glass and apparatus. Selected topics in advanced general physics. II; (3).

Professor WATSON

Prerequisite: A course in general physics, or experience in teaching.

36. Heat Measurements.—Laboratory experiments in thermometry, calorimetry, vapor pressure, expansion of bodies, transmission of heat, mechanical equivalent, and method of measurement of high temperatures. This course is designed to accompany Physics 16. II; (1).

Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

37. Light Measurements.—Laboratory experiments in the determination of constants of mirrors, lenses, prisms and gratings, their arrangement in optical instruments, and the use of refractometer, telescope, microscope, polarimeter, spectrometer and interferometer. This course is to be taken with or after Physics 17. I or II; (1).

Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

40. Present Problems in Physics.—The Electron theory of matter. II; (2).

Professor KUNZ

Prerequisite: Course in general physics and senior standing.

[41. Experiments on Present Problems in Physics.—A series of experimental lectures illustrating some of the more recent discoveries in physics. II; (1). Not given in 1922-1923.

Professor KUNZ

Prerequisite: Registration in Physics 40.]

Courses for Undergraduates and Graduates

44a-44b. Electrical and Magnetic Measurements.—First semester: measuring very high and low resistances; aperiodic and ballistic; galvanometers; electric currents and quantity; capacities. Second semester: absolute determination of capacity; the damping factor of a ballistic galvanometer; circuits containing resistance and self-induction; measurement of self and mutual induction; magnetic properties of iron; plotting of curves; hysteresis losses. Potentiometers. I, (3); II, (2).

Professor KNIPP, Assistant Professor WILLIAMS, Mr. SCHMIDT, Mr. YOUNG.

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Mathematics 7, 9.

14a. Introduction to Theoretical Physics.—Motion, mass, and force. (For the student of general science as well as for students of physics and mathematics). Recitations; problems; lectures. I; (3).

Professor CARMAN

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Mathematics 8 or 7 and 9.

20. Light.—Special phenomena; modern theories; readings in texts of Drude, Wood, and Preston. Lectures; recitations. I; (2).

Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Mathematics 7 and 9, or 8.

22. Advanced Light Measurements.—Wavelength determinations with gratings, echelons, and interferometers, spectroscopic work, Zeeman effect, polarimetric analysis, resolving power of instruments, photometry and spectrophotometry. I; (2-5).¹

Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

23. Sound.—Wave motion; origin, propagation, velocity, interference, and diffraction of sound; vibrations of strings and organ pipes; music and speech. Lectures; recitations. I; (3).

Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

24. Properties of Matter.—Gravitation, elasticity, capillarity, and other general properties of matter. Recitations; lectures. II; (2).

Assistant Professor WILLIAMS

Prerequisite: Physics 1 and 3; or 7 and 8; Mathematics 7 and 9, or 8.

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course.

27. Fundamental Physical Measurements.—Measurements of length, mass, time, and of determinations of gravitation, elasticity, surface tension, viscosity. Laboratory. II; (1). Assistant Professor WILLIAMS

Prerequisite: Course in general physics.

30. Introduction to Theoretical Electricity.—Electrical and magnetic phenomena discussed with calculus methods. Magnetism, electrostatics, electrolysis, thermoelectricity, electromagnetics, varying currents, alternating currents, units, electromagnetic radiation, conduction through gases, radioactivity, electrons. (For advanced students in physics, chemistry, mathematics, and engineering). Lectures; recitations; demonstrations. II; (3). Assistant Professor WILLIAMS

31a-31b. Special Problems in Advanced Physical Measurements.—I, II; (2 or 3).¹ Professor CARMAN, Professor KNIPP, Professor WATSON, Assistant Professor SCHULZ, Dr. WILLIAMS

33. Sound.—Laboratory experiments to illustrate and measure the fundamental phenomena of sound. I; (1). Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

Courses for Graduates

The prerequisite for graduate work in physics is a college course in general physics with a year's laboratory course in introductory physical measurements. The student who is to do major work in physics should also have had additional courses in physics or teaching experience, unless the training in his minor subjects, mathematics or chemistry, has been strong and complete. He should also have a knowledge of French and German sufficient to use references in these languages. The courses named below are those open for candidates for the Master's or Doctor's degree. A large part of the last year's work of the candidate for the Doctor's degree is investigational in either experimental or theoretical physics. In addition to these major graduate courses, the courses in elementary dynamics, heat, light, electrical measurements, and introductory electrical theory are arranged with certain additions for graduate credit. The "intermediate" courses on heat, light, and electricity and magnetism (Physics 15, 16, 17, 24) may be offered by students making a minor in physics, and with certain limitations by students in their first year of graduate work for major credit.

104a-104b. Selected Problems in Electrical Measurements.—First semester: very high and very low resistances; galvanometers; damping factor and critical damping resistance; electric current and quality; capacities; absolute determination of capacity; Dolezalek quadrant electrometer; dielectric constants; the measurement of v and e/m for cathode rays; positive electricity; potentiometer. Second semester: properties of iron, hysteresis curves and losses. Recommended for graduate students in chemistry. I, II; ($\frac{3}{4}$ unit). Professor KNIPP, Assistant Professor WILLIAMS

121. Recent Advances in Physics and the Electron Theory.—Occurrence of electrons; properties; gaseousness; determination of e/m and v of the electron and of the ion; positive rays in gas analysis; color effects of electrons, of ions, and of retrograde rays in residual hydrogen, helium, neon, and argon; determination of the elementary charge of the electron by the fog method, by radioactivity. II; ($\frac{1}{4}$ unit). Professor KNIPP

123. Sound.—Wave motion; forced vibrations; velocity and energy relations of sound waves; resonance; vibrations of strings and organ pipes. *Three times a week*; I, II; ($\frac{3}{4}$ or 1 unit). Professor WATSON

124. Conduction of Electricity Through Gases.—Discharge phenomena. In the second semester, an original problem is assigned. Laboratory; collateral reading; discussion. *Three times a week*; I, II; (1 to 2 units). Professor KNIPP

126. Physics Colloquium.—Weekly meetings of the instructors and advanced students of the department for the presentation and discussion of papers on current problems in physics. Attendance is expected of all graduate students. *Once a week*; I, II; (no credit). Professor WATSON

¹In registering for a course with variable credit hours, a student must put down on his study list, not the possible hours, as shown here, but the number of hours for which he intends to take the course.

127a. Problems of Present Theoretical Investigations in Physics.—Fundamental laws of nature; least action; equipartition of energy; entropy and probability; laws of radiation; the energy quantum. I, II; ($\frac{1}{2}$ unit). Associate Professor KUNZ

131. Investigation of Special Problems.—Advanced laboratory or design and calculation. A problem worked out with the advice and direction of the instructor. *Two to four times per week; I, II; (1 to 2 units).*

Professor CARMAN, Professor KNIPP, Professor WATSON, Assistant Professor SCHULTZ, Dr. WILLIAMS

[132. Mathematical Physics.—Special phases of theoretical physics.

(a). **Dynamics.**—Newton's equations, general methods of integration, potential theory, potential of the ellipsoid, celestial mechanics, least constraint, virtual work; D'Alembert's and Hamilton's principles; special problems of hydrodynamics and of electricity. *Three times a week; I, II; (1 unit).* Associate Professor KUNZ

(b). **Electrodynamics.**—The potential theory; electrical and magnetic polarization, spherical harmonics; images and inversion; conjugate functions; elliptic coordinates and integrals; magnetic actions of currents; coefficients of capacity; self and mutual induction; absolute measurements; Maxwell's theory; optics. Lectures; collateral reading. *Four times a week; I, II; (1 unit).* Not given in 1922-1923.]

132d. Electric Oscillations.—Maxwell's theory of the electromagnetic field. Electric oscillations along single and parallel wires; Hertz's oscillator; theory of the antennal propagation of waves over the surface of the earth; absorption; reflection; diffraction and scattering of electric and light waves. From the mathematical point of view, this course is in application of the potential theory involving spherical and cylindrical harmonics. I, II; ($\frac{3}{4}$ unit). Associate Professor KUNZ

[132e. Thermodynamics.—Two periods weekly, second semester. (1 unit). Not given in 1922-1923.]

133. Seminar.—*Three or five times a week; I, II; (1 to 2 units).*

Professors CARMAN, KNIPP, WATSON; Associate Professor KUNZ; Assistant Professor SCHULZ.

Summer Session Courses

Professor WATSON; Assistant Professor WILLIAMS; Mr. HAM, Mr. SANDERS, Mr. JENSEN.

S7 I. General Physics, Part I.—Lectures with experimental demonstrations and recitations on mechanics, including the fundamental laws of motion, forces and their effects, equilibrium, etc. (For students in Arts and Sciences). ($1\frac{1}{2}$). Professor WATSON

Prerequisite: Plane geometry and high school algebra; registration in Physics S81. Plane trigonometry desired.

Equivalent: S7 (I, II, III) together with S8 (I, II, III) are equivalent to Physics 7a-7b, 8a-8b, or to Physics 9a-9b, 10a-10b for the college year.

S8 I. Introductory Laboratory Physics, Part I.—A laboratory course in physical measurements on mechanics, properties of matter, forces, equilibrium, etc., to accompany S7I. ($1\frac{1}{2}$). Mr. JENSEN

Prerequisite: Registration in Physics S7I.

Equivalent: See S7I.

S7 II. General Physics, Part II.—Experimental lectures with recitations on electricity and magnetism. ($1\frac{1}{2}$). Assistant Professor WILLIAMS

Prerequisite: See S7I.

Equivalent: See S7I.

S8 II. Introductory Laboratory Physics, Part II.—Laboratory experiments in electricity and magnetism to accompany S7II. ($1\frac{1}{2}$). Mr. JENSEN

Prerequisite: Registration in S7II.

Equivalent: See S7I.

S7 III. General Physics, Part III.—Heat, light, and sound. ($1\frac{1}{2}$). Mr. HAM

Prerequisite: Same as S7I.

Equivalent: See S7I.

S8 III. Introductory Laboratory Physics, Part III.—Laboratory experiments in heat, light, and sound to accompany S7III. (1½). Mr. HAM

Prerequisite: Registration in Physics S7III.

Equivalent: See S7I.

S44a. Electrical and Magnetic Measurements.—Accurate measurement of resistance by commutating Wheatstone bridge, the Carey Foster bridge, and the Kelvin double bridge; insulation resistance; aperiodic and ballistic galvanometers; electric current and quantity; electric capacity. Discussions; recitations; reports. (3).

Assistant Professor WILLIAMS, Mr. SANDERS

Prerequisite: A course in general physics and calculus.

Equivalent: This course is the equivalent of the first semester of Physics 44a.

S15. Electricity and Magnetism.—Lectures, recitations, and laboratory. This course is recommended to students who wish a broader and more accurate knowledge of electrical phenomena and theory than that given in the courses on general physics. (1½).

Mr. SANDERS

Prerequisite: A course in general physics.

Equivalent: Physics 15 (in part).

S18. Teachers' Course.—Discussions of text-books, reference books, apparatus and methods of conducting instructional work in physics. Manipulative work with glass and apparatus. Selected topics in advanced general physics. (1). Mr. HAM

Prerequisite: A course in general physics.

Equivalent: Physics 18 (in part).

S21. Recent Advances and Applications in Physics.—Popular lectures, illustrated by experiments, on recent advances and applications of physics. These lectures are open to the public and may be attended by those interested. They are to be given by members of the instructional staff and others. One-half hour of credit may be obtained by students registering in the course. Brief abstracts of the lectures in addition to an examination of the main facts presented will be required. (½).

Professor WATSON and Mr. JENSEN in charge

The subjects and dates follow:

Relativity; Its Physical Explanation. June 22.

Associate Professor KUNZ

Relativity; Discussion of Phenomena. June 29.

Associate Professor KUNZ

New Electric Phenomena and Their Use in Telegraphy and Radio Signaling. July 6.

Assistant Professor TYKOCINER

Wireless Telegraph. July 13.

Mr. BROWN

Fatigue of Metals. July 20.

Professor MOORE

Theories of Magnetism. July 27.

Assistant Professor WILLIAMS

The Tones from Bells. August 3.

Professor WATSON

S23. Wave Motion and Applications.—Discussion of simple harmonic motion; the propagation of waves; forced vibrations. Applications in mechanics, sound, light, and electricity. (1½).

Professor WATSON

Prerequisite: Course in general Physics.

Equivalent: Physics 23 (in part).

S30. Introduction to Theoretical Electricity.—Discussion of selected topics in electrical and magnetic phenomena including magnetism, electrostatics, electrolysis, thermoelectricity, varying currents, electrons, etc. Lectures; recitations; demonstrations. (1½).

Assistant Professor WILLIAMS

Prerequisite: A course in general physics; calculus desired.

Equivalent: Physics 30 (in part).

Courses for Advanced Undergraduates and Graduates

S31. Special Problems in Advanced Physical Measurements.—Special laboratory problems such as the accurate determination of the coefficient of viscosity of liquids and gases; the elastic constants of metals; the coefficient of self-induction; capacity of a condenser in absolute measure; the pitch of tuning forks; investigation of wave motion; diffraction of sound, etc. (1, 1½, or 2). Professor WATSON, Assistant Professor WILLIAMS

Courses for Graduates

S131. Investigation of Special Problems.—This course is available for students who are working toward or who have taken their advanced degrees, and consists of individual special problems which will be under the general supervision of one of the professors. The work done should show originality in method, or should contribute new data in experimental investigation. Arrange time. (1, 1½, or 2 units.)

Professor WATSON, Assistant Professor WILLIAMS

S133. Seminar and Thesis.

Prerequisite: Registration in Graduate School. See instructor.

PHYSIOLOGY

Associate Professor BURGE; Dr. HATHAWAY, Dr. APPELLE, Miss LEICHSENRING, Mr. McCREA.

Major: 20 hours made up of any courses offered in the Department exclusive of Physiology 1.

Minors: 20 hours in bacteriology, botany, chemistry, and zoology.

Courses for Undergraduates

1. General Physiology.—A survey of the field of mammalian physiology. (Credit not given unless followed by another course in Physiology). I, II.

Associate Professor BURGE

2. Physiology of Circulation, Respiration, Special Senses, Muscle, Nerve and Special Phases of Metabolism, Reproduction, and Glands of Internal Secretion.—I; (3). (Recommended for students in Athletic Coaching).

Dr. HATHAWAY, Dr. APPELLE

Prerequisite: Physiology 1.

4. Physiology of Digestion, Metabolism, Secretion, Excretion, and Glands of Internal Secretion.—(Recommended for Home Economics students). I, II; (3).

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Physiology 1; one semester of college chemistry.

6. Physiology of the Nervous System.—The function of the principal motor and sensory tracts of the mammal. I; (3).

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Physiology 1.

10a. Physiological Anatomy.—The organs of a mammal with special reference to function. I, II; (3).

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Physiology 1.

Courses for Advanced Undergraduates and Graduates

5. Physiology of Nutrition.—Foods, vitamins, exercise, internal secretions, digestion and metabolism as related to health, lowered vitality and disease. II; (2).

Associate Professor BURGE

Prerequisite: Physiology 4.

7. Advanced Mammalian Physiology.—I; (3).

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Senior standing; Physiology 1; 8 hours chemistry.

9. Physiology of the Special Senses.—II; (2).

Associate Professor BURGE, Mr. McCREA

Prerequisite: Senior standing; Physiology 6.

Courses for Graduates

101. Journal Club.—Review of literature. I, II; (2 unit). Members of the Staff

102. Research.—I, II; (1 to 2 units). Members of the Staff

103. Special Phases of the Physiology of Respiration, Circulation, Digestion, Metabolism, Excretion, Secretion, Glands of Internal Secretion, Nervous System.—I, II; (1 to 2 units). Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

POLITICAL SCIENCE

(See also ECONOMICS, HISTORY, AND SOCIOLOGY.)

Professors GARNER¹, FAIRLIE²; Associate Professors MATHEWS, STORY; Dr. BERDAHL, Mr. WHITE, Mr. TILLEMA, Mr. KETCHAM, Mr. BARR.

Major: 20 hours from any courses offered by the department. A major may include three hours of constitutional history (History 14, 27, or 44).

Minors: 20 hours, selected from two of the following subjects: history, economics, law, sociology, philosophy, and education.

NOTE.—Courses 1 and 3 give a general survey of national, state and local government in the United States. Undergraduates beginning the study of political science are advised to take first course 1, 3, or 16; and those planning for advanced work should take courses 1 and either 3 or 16 in their sophomore year.

Courses for Undergraduates

1. **American National Government.**—Historical development, organization, powers, limitations, and practical working of the national government of the United States. I; (3). Associate Professor STORY, Dr. BERDAHL, Mr. WHITE, Mr. TILLEMA, Mr. KETCHAM, Mr. BARR.

Prerequisite: 30 hours of university work.

3. **State and Local Government.**—Powers, obligations, and rights of the states in the federal union; formation and admission of states; development of state constitutions; organization of state and local government; political methods. (A continuation of Political Science 1; may be taken independently.) II; (3).

Professor GARNER, Associate Professor STORY, Dr. BERDAHL, Mr. WHITE, Mr. TILLEMA, Mr. KETCHAM, Mr. BARR.

Prerequisite: 30 hours of university work.

NOTE.—Students may not take both 3 and 16 for more than a total of four hours' credit.

15. **American Government and Politics.**—National, state and local government. (Primarily for students in the Colleges of Engineering and Agriculture.) II; (3).

Dr. BERDAHL

Prerequisite: 30 hours of university work. No credit is allowed for this course if the student has already had or subsequently takes course 1 or 3.

16. **Government in Illinois.**—The commonwealth and the nation; constitutional development; organs of state government and their work; organization of the local governments and their functions; methods and agencies of popular control in public affairs; the constitutional convention of 1920-1922. II; (2). Associate Professor MATHEWS

Prerequisite: 30 hours of university work.

NOTE.—Students may not take both 3 and 16 for more than a total of four hours' credit.

Courses for Advanced Undergraduates and Graduates

NOTE.—Junior standing is required for admission to the following courses:

4. **Municipal Government.**—The growth of cities; their legal and social status; municipal organization in the United States, including mayor and council, commission, and city manager plans; municipal organization abroad; municipal functions. I; (3).

Associate Professor STORY, Mr. TILLEMA

¹On leave of absence, first semester.

²On leave of absence, second semester.

5. Constitutional Law of the United States.—The judicial interpretation of the constitution. Judicial power to declare laws unconstitutional; separation of governmental powers; relation of state and national governments; national taxation; control of interstate commerce; protection of civil and political rights (due process of law); jurisdiction of the courts. I; (3). Associate Professor MATHEWS

Prerequisite: Political Science 1; junior standing.

6a. International Law: Law of Peace.—The nature, sources, and development of international law; the rights and duties of states as members of the family of nations; the law of recognition, extradition, jurisdiction, etc.; intercourse between states; treaties, conventions, and international conferences; settlement of international disputes. I; (3). Dr. BERDAHL

Prerequisite: Open to seniors, graduate students, and law students with junior standing.

6b. International Law: Law of War and Neutrality.—The customary and conventional law governing the conduct of war; legal effects of the outbreak of war; lawful and unlawful methods and agencies; maritime war; aerial war; blockade and contraband; treaties of peace; rights and duties of neutrals, etc. II; (3). Professor GARNER

Prerequisite: Same as for course 6a.

7. American Diplomacy.—American participation in international affairs; Presidential initiative in foreign policy; development and organization of the Department of State; diplomatic intercourse; the consular service; the power of recognition; the treaty-making power; executive agreements; neutrality; the beginning and termination of war. II; (3). Associate Professor MATHEWS

Prerequisite: Political Science 1 or History 3a-3b; junior standing.

8. International Organization.—Early projects of international federation; international administrative commissions, international conferences and congresses; international legislation; contemporary efforts at international organization, with particular attention to the League of Nations. II; (2). Dr. BERDAHL

Prerequisite: Junior standing.

9. Principles of Jurisprudence.—The nature and sources of law; development and comparison of the Roman and English legal systems; English law in the United States; classification of law. I; (2). Professor FAIRLIE

Prerequisite: Political Science 1 or its equivalent; junior standing.

11. Constitutional Aspects of Social and Industrial Problems.—The nature of the police power; legislation concerning public health, order, and safety; constitutionality of labor legislation; control of combinations of capital; regulation of public service companies. II; (3). Associate Professor MATHEWS

Prerequisite: 6 hours of political science or economics; junior standing.

12. National Administration in the United States.—Administrative powers of the President and Congress; administrative organizations; the President's cabinet, the executive departments, boards and commissions, and administrative services of the national government (including war agencies); judicial administration and the relation of the courts to the executive authorities. I; (3). Professor FAIRLIE

Prerequisite: Political Science 1; junior standing.

13. State Administration in the United States.—Organization and methods of the executive departments of the state governments; the governor, heads of administrative departments, boards and commissions, and the civil service. Centralization in taxation, education, and the enforcement of state law. I; (3). Associate Professor MATHEWS

Prerequisite: Political Science 3 or its equivalent; junior standing.

14. Political Parties and Methods.—Political parties and political methods, primarily in the United States; recent legislation on primary elections and corrupt practices; the party system. I; (3). Dr. BERDAHL

Prerequisite: One course in political science; junior standing.

[17. Judicial Organization and Administration.—Organization powers, and procedure of the courts; their relations to the other departments of government; selection and tenure of judges; the jury system; administration of punitive justice; administrative or quasi-judicial tribunals; unification of the judicial system; problems of judicial reform. I; (2). Not given in 1922-1923. Associate Professor MATHEWS

Prerequisite: Political Science 1 or 3; junior standing.]

18. Legislation in the United States.—Nature of the legislative power; constitutional limitations; organization, rules of procedure and practise of American legislative bodies; bill drafting; reference bureaus; criticism of bills and discussions of principles of legislation. II; (3). Associate Professor STORY

Prerequisite: 6 hours of political science; junior standing.

21. British Government.—Political institutions in the United Kingdom and the British dominions; the Crown, the Cabinet, the House of Commons and the House of Lords; the party system; the courts of law; local government; the crown colonies and the self-governing dominions; recent developments and proposed changes. I; (2). Professor FAIRLIE

Prerequisite: Graduate or senior standing, or junior standing with six hours of political science.

[21a. Problems in British Government.—(Supplemental to Political Science 21.) Special reports and conferences. I; (1). Not given in 1922-1923. Professor FAIRLIE

Prerequisite: Registration in Political Science 21.]

22. Continental European Governments.—The political systems of France, Germany, Italy, Switzerland and Russia; constitutional beginnings; political organization; legislation and administration; constitutional guaranties for the protection of individual rights. II; (3). Professor GARNER

Prerequisite: Graduate or senior standing, or junior standing with six hours of political science. History 20a-20b and Political Science 21 recommended.

[28. Problems of Contemporary Politics.—A survey of questions of major importance in domestic and foreign politics, such as adult suffrage, public opinion, representative systems, administrative centralization, local and regional autonomy, public ownership, state socialism, the law and the courts. I; (2). Not given in 1922-1923. Associate Professor STORY

Prerequisite: Senior or graduate standing.]

34. Municipal Problems.—Municipal administration in the United States and Europe; organization; city planning and housing; public utilities; police and sanitary administration; municipal finances. Lectures; readings; special reports. II; (3). Associate Professor STORY

Prerequisite: Open to graduate students, and to undergraduate students who have had Political Science 4, or Economics 1, or who have senior standing.

[35. Legal Problems of the City.—Not given in 1922-1923.]

36a-36b. Thesis and Honors Course.—Research work for candidates for honors and other seniors. I, II; (2). *Time to be arranged.*

Courses for Graduates

[101. History of Political Theories.—Ancient, medieval, and modern political thought; political theories of Aristotle, Plato, Machiavelli, Hobbes, Locke, Montesquieu, and others; American political philosophy. *Three times a week; I; (1 unit).* Not given in 1922-1923. Professor GARNER]

102. The Nature of the State.—Principles, methods, and nature of political science; origin, attributes, forms, and functions of the state; sovereignty and liberty; citizenship and nationality; constitutions, their nature and forms; legislative, executive, and judicial organizations. Alternates with course 101. *Twice a week; I; (1 unit).* Professor FAIRLIE

103. Seminar in Political Science and Public Law.—Special problems; reports; discussions and criticism. The research work of candidates who are writing theses is under the direction of some instructor to whom they report frequently. *Once a week; I; II.* Members of the department

104a. Municipal Administration.—Problems in the organization and control of municipal administration, including state supervision of municipal activities. *Twice a week; I; (1 unit).* Associate Professor STORY

104b. Municipal Administration.—The conduct of municipal services; analysis of the principles applied and the methods employed. *Twice a week; II; (1 unit).* Associate Professor STORY

107. Foreign Relations of the United States.—Studies in the principles and practises of American foreign policy. *Twice a week; I; (1 unit).* Associate Professor MATHEWS

[112. Public Administration.—Comparative studies in national and local administration. *Twice a week; II; (1 unit).* Not given in 1922-1923. Professor FAIRLIE]

[113. **State Government and Administration.**—Studies in the organization and methods of state governments in formulating and executing public policies; investigation of problems. Different topics in succeeding years. *Twice a week*; I; (1 unit). Not given in 1922-1923. Associate Professor MATHEWS]

114. **Studies in Political Parties.**—Problems in primary legislation, party organization, and other phases of party activity. *Twice a week*; II; (1 unit). Dr. BERDAHL

Summer Session Courses

S1. National Government of the United States.—(2½). Professor GARNER

Prerequisite: 30 hours of university work.

Equivalent: Political Science 1 (in part).

S2. Elements of International Law.—(2½). Professor GARNER

Prerequisite: Junior standing.

Equivalent: Political Science 6 (in part).

S103. Research in Political Science.—(½ to 1 unit). Professor GARNER

Prerequisite: Graduate standing.

PSYCHOLOGY

Professor BENTLEY¹; Assistant Professor GRIFFITH; Dr. YOUNG, Dr. SULLIVAN; Mr. KINGSLEY, Miss WICKHAM, Mr. HIGGINSON, Mr. SOWERS. Cooperating in Summer Session: Professor PHILLIPS, Miss ANDERSON.

Major: 20 hours chosen from courses announced by the department.

Minors: 20 hours chosen from education, genetics, philosophy, physics, physiology, sociology, and zoology.

Courses for Undergraduates

1. Introduction to Psychology.—The facts and uniformities of mind. Sensation and image, perception, attention, memory, emotion, action, and thought. Experimental methods and their results are illustrated in lecture by demonstrations. This course is preliminary to all other work of the department. Lectures; sectional meetings. I or II; (4).

Assistant Professor GRIFFITH, Dr. YOUNG, Dr. SULLIVAN, and assistants

Prerequisite: One year of university work.

2. General Psychology.—Mental inheritance, habit, custom, and fashions; the relations of psychology to the biological and social sciences; comparative and genetic psychology, and the psychology of the abnormal; applications of psychology to the arts and professions. II; (4). Assistant Professor GRIFFITH and assistants

Prerequisite: Psychology 1.

3. Laboratory Practise (Elementary).—Classical experiments in the fields of sensation, feeling, attention, and action. A drill course in scientific method. I or II; (2).

Dr. YOUNG, Dr. SULLIVAN, Miss WICKHAM, and assistants

Prerequisite: Psychology 1.

8. Feeling and Emotion.—A critical analysis of the facts, problems and methods of effective psychology, with special reference to recent physiological studies. Readings from standard works and from the periodical literature. Informal discussion. Special reports. II; (2). Dr. YOUNG

Prerequisite: Psychology 1 and 2, or 1 and 3.

Courses for Advanced Undergraduates and Graduates

[5. Comparative Psychology.—Mind in animal forms; the psychological implications of organic evolution; a comparison of human and animal minds; criticism of current literature. (Recommended to students who intend to elect advanced courses in either animal psychology or in the study of behavior). Lectures; laboratory. I; (2). Not given in 1922-1923.

Prerequisite: Psychology 1 and one other course.]

[6. Comparative Psychology (Advanced Laboratory).—Individual studies in animal psychology. II; (2). Not given in 1922-1923.

Prerequisite: Psychology 1 and 5.]

¹On leave of absence.

9. Physiological Psychology.—Correlations between the structure and functions of the nervous system and the human mind; a formulation of the problem of psychophysical relationship. Lectures; readings; discussions. II; (3). Assistant Professor GRIFFITH

Prerequisite: Psychology 1 and 2, or 1 and 3, and laboratory training in one of the biological sciences.

12-13. Minor Problems (Advanced Laboratory).—The application of methods suitable to new problems. I, II; (3). Dr. YOUNG, Dr. SULLIVAN

Prerequisite: Psychology 1, 2, 3, and consent of the instructor.

14. Social Psychology.—The social consciousness and the collective mind; analysis of the conditions upon which the social consciousness depends; perceptual, ideational, and emotional factors in the social consciousness; the genetic development of the collective mind as revealed in tradition and institutions. I; (3). Assistant Professor GRIFFITH

Prerequisite: Psychology 1 and one other course.

16. Genetic Psychology.—Instinctive responses, formation of habits, and development of mental functions in the child, from birth to maturity. I; (2).

Assistant Professor GRIFFITH

Prerequisite: Psychology 1 and one other course.

[17. The History of Psychology.—Lectures; readings in the sources. II; (2). Not given in 1922-1923. Assistant Professor GRIFFITH

Prerequisite: Psychology 1 and 2; permission of the instructor.]

20. Systematic Psychology.—Psychological analysis and construction. Lectures and essays. II; (3).

Prerequisite: Consent of the instructor.

21-22. Special Studies.—Individual investigations, for advanced students, in the form of essay or of experiment. I, II; (3). (21 was not given in 1922-1923).

Dr. YOUNG, Dr. SULLIVAN

Prerequisite: Psychology 12 or 13.

25. Psychology and Athletics.—Designed primarily for students in the curriculum in Athletic Coaching. Psychological analysis of the sports; the mind of the athlete; the development and maintenance of morale; individual differences in psychosomatic performance; the nature of play; the maintenance of mental health. Lectures and discussions. II; (3).

Assistant Professor GRIFFITH

Prerequisite: Psychology 1.

26. Recent Experimental Problems.—The exposition and discussion of the more important researches in the current experimental literature. II; (2). Dr. SULLIVAN

Prerequisite: Psychology 1, 2 and 3.

[27a-27b. Thesis Course and Honors Course.—Primarily designed for students who are candidates for high honors. Not given in 1922-1923. I, II; (2).

Prerequisite: Psychology 1, 2, 3, and the consent of the department.]

Courses for Graduates

103. Research.—Experimental and historical investigations. I, II; ($\frac{1}{2}$ to 2 units).

Assistant Professor GRIFFITH

105. Seminar.—Discussion of current topics in their historical setting. *Once a week;* I, II; (1 unit).

Summer Session Courses

Courses for Undergraduates

S1. Introduction to Psychology.—The facts and laws of mind. (2 $\frac{1}{2}$).

Professor PHILLIPS, Miss ANDERSON

Prerequisite: Sophomore standing or consent of the instructor.

Equivalent: Psychology 1 (in part).

Courses for Advanced Undergraduates and Graduates

S13. Minor Problems.—Individual investigations in the form of essay or experiment. (1-2). Assistant Professor GRIFFITH

Prerequisite: The equivalent of Psychology 1 and one other course, preferably training in elementary laboratory experiments, or consent of the instructor.

Equivalent: Psychology 13.

S25. Psychology and Athletics.—Designed primarily for students in the Athletic Coaching School. Psychological analysis of the sports; the mind of the athlete; the development and maintenance of morale; individual differences in psychosomatic performance; the nature of play; the maintenance of mental health. Lectures and discussions. (2).

Assistant Professor GRIFFITH

Prerequisite: Psychology 1 or the consent of the instructor.

Equivalent: Psychology 25 (in part).

PUBLIC SPEAKING

(See ENGLISH LANGUAGE AND LITERATURE.)

RAILWAY ADMINISTRATION

(See TRANSPORTATION.)

RAILWAY ENGINEERING

Professors SCHMIDT, SNODGRASS, KING; Assistant Professor TUTHILL; Mr. PARKINSON, Mr. MITCHELL.

Railway Civil Engineering—Courses 31-51.

Railway Electrical Engineering—Courses 59-81.

Railway Mechanical Engineering—Courses 1-10.

Common to all groups—Courses 25, 98, and 99.

Graduate Courses—Courses 100-110.

2. Locomotive Design.—Calculations and designs of engine and boiler details; current standards and proportions. Drafting room systems. I; (3).

Mr. PARKINSON

Prerequisite: Mechanical Engineering 13, 14, 64; Railway Engineering 4.

3. Locomotives.—Locomotives and locomotive terminal facilities. I; (2).

Mr. PARKINSON

Prerequisite: Junior standing in the College of Engineering.

4. Locomotives.—Mechanics, performance, design. A continuation of Railway Engineering 3. II; (3).

Mr. PARKINSON

Prerequisite: Railway Engineering 3; Theoretical and Applied Mechanics 21 and 29; registration in Mechanical Engineering 64.

5. Railway Laboratory.—Locomotive testing; experimental work with electric and steam railway test cars, brakeshoe testing machine, drop testing machine, and air-brake apparatus. I; (3).

Professor SNODGRASS

Prerequisite: Railway Engineering 4; Mechanical Engineering 13, 14, 64.

7. Advanced Design.—Problems in locomotive and car design. II; (3).

Mr. PARKINSON

Prerequisite: Railway Engineering 2.

8. Railway Laboratory.—Investigation of train resistance and locomotive tractive effort by the use of the railway test car. Analysis of the results and their application to the problems of tonnage rating. II; (2).

Professor SNODGRASS

Prerequisite: Railway Engineering 5.

9. Seminar.—Discussion of current topics and review of railway journals; assigned topics and reports. I; (1).

Professor SCHMIDT

Prerequisite: Open to seniors in railway courses only.

25. Railway Development.—History and organization of steam and electric railways; statistics, costs. I; (3).

Professors SNODGRASS, KING

Prerequisite: Junior standing.

31. Railway Yards and Terminals.—Theory of design; arrangement of grades in gravity yards; problems. I; (3).

Professor KING

Prerequisite: Civil Engineering 51, or Senior standing in railway engineering.

32. Railway Construction.—Advanced course in design of railway structures; study of cost analysis; preparation of estimates of cost, complete working drawings, and contracts and specifications for assigned problems in design. II; (3). Professor KING

Prerequisite: Civil Engineering 51.

33. Economic Theory of Railway Location.—Influence of volume of traffic, alignment, and gradient on operating expenses; locomotive and grade problems; relocation of existing lines. II; (4). Professor KING

Prerequisite: Civil Engineering 51; Theoretical and Applied Mechanics 20, 21.

35. Railway Signaling.—Block and route signalling; systems in use; history; railway accidents. I; (1). Professor KING

Prerequisite: Senior standing in Engineering.

36. Railway Maintenance.—Track materials; timber preservation; seasonal work; maintenance of way standards. II; (3). Professor KING

Prerequisite: Civil Engineering 51.

37. Railway Maintenance.—Stresses in track; track design. I; (2). Professor KING

Prerequisite: Railway Engineering 36.

51. Seminar.—Discussion of current topics and review of railway journals; assigned topics and reports. II; (1). Professor KING

Prerequisite: Open to seniors in railway courses only.

59. Electrical Railway Principles.—Mechanics of traction; train resistance; railway motors, their construction and control; methods of solving electric railway problems. I; (2). Assistant Professor TUTHILL

Prerequisite: Registration in Theoretical and Applied Mechanics 25 and Electrical Engineering 25, 75.

60. Electric Railway Principles.—(A continuation of Railway Engineering 59). Graphic time charts; distribution systems; feeder calculations; electrolysis; sub-stations. II; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 59; Theoretical and Applied Mechanics 25; Electrical Engineering 25, 75.

61. Electric Traction.—A condensed course in electric railway theory and practise for students of other engineering departments. Mechanics of traction; motor characteristics and control; braking; distribution systems; electrification of steam roads. II; (3). Assistant Professor TUTHILL

Prerequisite: Theoretical and Applied Mechanics 21 or 25, Electrical Engineering 11, 61, or 25, 75.

62. Electric Railway Laboratory.—Tests of electrical machinery used in railway service. I; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 60.

63. Electric Railway Laboratory.—(A continuation of Railway Engineering 62). Tests of electrical machinery; tests with the electric test car and the steam road dynamometer car to determine train resistance and power consumption. II; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 62, 64.

64. Electric Railway Practise.—Energy consumption; tonnage rating of steam and electric locomotives; braking of electric railway trains; cars and car equipment. I; (3). Assistant Professor TUTHILL

Prerequisite: Theoretical and Applied Mechanics 25; Electrical Engineering 26, 76; Railway Engineering 60.

67. Seminar.—Discussion of current topics and review of railway journals; assigned topics and reports. I; (1). Professor SCHMIDT

Prerequisite: Open to seniors in railway courses only.

71. Electric Railway Machinery.—Theory and characteristics of railway motors, transformers, and sub-station-equipment. I; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 60; Electrical Engineering 26, 76.

74. Electric Railway Economics.—Location and operation; choice of systems; location of power plant and sub-stations; calculation of transmission and distribution circuits; maintenance of way and of equipment; electrification of steam roads. II; (3). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 64.

98. Thesis.—Independent solution of some railway problem or the investigation of some subject. The thesis may consist of an original design or an original experimental investigation, or may be the analysis and discussion of facts already in existence. II; (3).
Professors SCHMIDT, SNODGRASS, KING, TUTHILL

99. Inspection Trip.—I; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in railway engineering presupposes the full undergraduate course in that subject.

102. Locomotive Design.—Modern practise concerning steam pressure, compounding, superheating. Once a week; I, II; (1 unit).
Professor SNODGRASS

106. Locomotive Operation.—Train resistance and locomotive tractive effort; tonnage ratings. Once a week; I, II; (1 unit).
Professor SCHMIDT

[108. Electric Railway Practise.—The design, selection and operation of equipment; central station, sub-station, rolling stock, and line equipment. Once a week; I, II; (1 unit).
Not given in 1922-1923.]

110. Railway Location.—The effect of location on earning capacity; problems in original location and in the relocation and reduction of grades of existing lines. I, II; (1 unit).
Professor KING

ROMANCE LANGUAGES AND LITERATURE

Professors MCKENZIE, OLIVER, FITZ-GERALD, CARNAHAN; Assistant Professors VAN HORNE, HAMILTON; Dr. SEYMOUR, Dr. MARTIN, Mr. GUIET, Miss BOUIN, Miss SMITHERS, Miss REED, Miss FOLEY, Mr. AIELLO, Miss ANDERSON, Mr. BERZUNZA, Miss BREATHWIT, Miss DALLERA, Miss DE TURK, Miss MELVIN, Miss MERRIAM, Miss MILES, Mrs. MILLS, Miss LADD, Miss LONGI, Miss PIERSON, Mr. TEMPLIN, Mr. THARP, Miss TONONE, Mr. VANCE, Miss VAN SANDT. Cooperating in Summer Session: Professor VAN ROOSBROECK, Dr. STORER, Mr. SOTO, Mrs. OSGOOD.

FRENCH

Major: Twenty hours of French, exclusive of French 1a, 1b, 2a, 6a, 6b.

Minors: Twenty hours in not more than two of the following subjects: comparative literature, English (excluding Rhetoric 1-2), German, Greek, history, Italian, Latin, Spanish; provided that at least 8 hours must be taken in any subject chosen.

SPANISH

Major: Twenty hours of Spanish, exclusive of Spanish 1a, 1b, 2a.

Minors: Twenty hours in not more than two of the following subjects: comparative literature, English (excluding Rhetoric 1-2), French, German, Greek, history, Italian, Latin; provided that at least 8 hours must be taken in any chosen subject.

ROMANCE LANGUAGES

Major: Twenty hours in some one Romance language, exclusive of French 1a, 1b, 2a, 6a, 6b; Spanish 1a, 1b, 2a.

Minors: Twenty hours in not more than two of the following subjects: comparative literature, English (excluding Rhetoric 1-2), French, German, Greek, history, Italian, Latin, Spanish; provided that at least 12 hours be taken in some one Romance language other than the language of the major, and exclusive of French 1a, 6a, 6b; Italian 1a; Spanish 1a; and provided that not fewer than 8 hours must be taken in any subject chosen.

A. FRENCH

Courses for Undergraduates

1a-1b. Elementary Course.—Grammar; pronunciation; reading of modern authors; composition; conversation. I, II; (4). Professor OLIVER in charge

Assistant Professor HAMILTON, Mr. GUIET, Mr. AIELLO, Miss BOUIN, Miss BREATHWIT, Miss DE TURK, Miss FOLEY, Miss LONGI, Miss MILES, Mrs. MILLS, Miss PIERSON, Miss REED, Mr. THARP, Miss TONONE.

Open to students who have had no previous work in French.

2a-2b. Modern Prose, Poetry, and Drama.—Rapid reading of modern authors; syntax and composition. I, II; (4). Professor OLIVER in charge

Mr. AIELLO, Miss ANDERSON, Miss DE TURK, Miss FOLEY, Miss PIERSON, Miss REED, Mr. TEMPLIN, Mr. THARP, Miss TONONE.

Prerequisite: French 1a-1b, or the equivalent.

5a-5b. Introduction to French Literature.—Authors of the last three centuries. I, II; (3).

Professor OLIVER, Professor CARNAHAN, Assistant Professor VAN HORNE, Miss ANDERSON, Miss DE TURK.

Prerequisite: French 2a-2b, or the equivalent.

6a-6b. Second-Year Conversation.—Three hours weekly of class-room exercise, with two hours of credit. (Does not count toward a major in French or in Romance Languages.) I, II; (2). Mr. GUIET, Miss LONGI

Prerequisite: French 1a-1b with a grade of at least B, or the equivalent of two years of college French.

7a-7b. Intermediate Composition and Conversation.—Conducted in French, giving facility in idiomatic expression in writing and speaking. Reading; themes; talks on France and French life. I, II; (2). Mr. GUIET, Miss BOUIN, Miss LONGI, Miss TONONE

Prerequisite: French 2a-2b, or 6a-6b.

NOTE.—Required of those who are given the recommendation of the department to teach French.

8a-8b. Advanced Composition and Conversation.—Idiomatic constructions; syntax; themes. Conducted entirely in French. I, II; (2). Mr. GUIET

Prerequisite: French 7a-7b.

25. Course for Teachers.—Methods of teaching French; discussion of class-room problems. I; (2). Professor CARNAHAN

Prerequisite: Twenty-two hours of French, or sixteen hours of French plus twenty-two hours of Spanish.

23a-23b. Senior Thesis.—For candidates for honors in French; open to other seniors. I, II; (2). Members of the Department

Courses for Advanced Undergraduates and Graduates

Prerequisite for the following courses: French 5a-5b or the equivalent, and junior standing; or senior standing and the consent of the instructor.

10a-10b. Survey of French Literature.—The main currents of French literature from the beginning to the present time. I, II; (3). Professor CARNAHAN

17a-17b. French Drama of the Nineteenth and Twentieth Centuries.—I, II; (2). Professor MCKENZIE

24a-24b. Seventeenth and Eighteenth Century Drama.—Corneille, Racine, Molière, Voltaire, Marivaux, Sedaine, Beaumarchais. Lectures and interpretation. I, II; (3). Professor OLIVER

[35a-35b. French Literature of the Sixteenth Century.—Marot, Ronsard, Du Bellay, Rabelais, Montaigne, the drama. *Twice a week*; I, II; (2). Not given in 1922-1923.

42a-42b. The French Novel.—From 1850 to the present time. Lectures, reports and collateral reading. I, II; (2). Assistant Professor HAMILTON

Courses for Graduates

Before entering upon the study of Romance Languages as a major for the degree of A. M., the candidate must have had at least (a) three years of college work in one Romance language, and a reading knowledge, satisfactory to the department, of another Romance language; or (b) two years of college work in each of two Romance languages. In either case a reading knowledge of German is highly desirable. Before being accepted as a recognized candidate for the degree of Ph.D., he must have had in addition satisfactory training in Latin, and must be able to read ordinary German prose.

Before entering on the study of Romance languages as a first or second minor for an advanced degree, the candidate must have had at least two years of college work in the language desired.

101. Old French Epic Literature.—Reading and interpretation of the greater national and courtly epics; the history of these types of medieval literature. *Twice a week; I, II; (1 unit).* Professor OLIVER

[102. Old French Lyric and Prose Literature.—*Twice a week; I, II; (1 unit).* Not given 1922-1923. Professor OLIVER]

[103. Seventeenth Century Prose Writers.—*Twice a week; I, II; (1 unit).* Not given 1922-1923. Professor OLIVER]

104. Eighteenth Century Prose Writers.—Society, culture, and prose literature of the eighteenth century. The attack on the classic ideals; growth of the revolutionary spirit. *Twice a week; I, II; (1 unit).* Professor OLIVER

127. French Romanticism.—Origin and development of the Romantic movement in France. *Twice a week; I, II; (1 unit).* Professor CARNAHAN

B. ITALIAN

Courses for Undergraduates

- (4). **1a-1b. Elementary Course.**—Grammar; composition; conversation; reading. I, II; Mr. AIELLO
2a-2b. Conversation and Review of the Grammar.—I, II; (2). Professor MCKENZIE
Prerequisite: Italian 1a-1b.

Courses for Advanced Undergraduates and Graduates

- 3a-3b. Introduction to Italian Literature.**—I, II; (2). Assistant Professor VAN HORNE
Prerequisite: Italian 1a-1b and junior standing.

Courses for Graduates

- 140. Italian Literature of the Thirteenth and Fourteenth Centuries.**—Dante, Petrarch, Boccaccio. *Twice a week; I, II; (1 unit).* Professor MCKENZIE
[143. Italian Literature of the Fifteenth and Sixteenth Centuries.—*Twice a week; I, II; (1 unit).* Not given in 1922-1923. Professor MCKENZIE]
[146. Modern Italian Literature.—*Twice a week; I; (1 unit).* Not given in 1922-1923. Professor MCKENZIE]

C. SPANISH

Courses for Undergraduates

- 1a-1b. Elementary Course.**—Grammar; pronunciation; reading; composition; conversation. I, II; (4). Assistant Professor VAN HORNE in charge
 Dr. MARTIN, Miss ANDERSON, Mr. BERZUNA, Miss BREATHWIT, Miss DALERA, Miss LADD, Miss MELVIN, Miss MERRIAM, Miss MILES, Miss PIERSON, Miss REED, Miss SMITHERS, Mr. TEMPLIN, Mr. VANCE, Miss VAN SANDT.

- 2a-2b. Modern Spanish.**—Rapid reading; review of grammar; conversation on topics of every day life; composition. I, II; (4). Dr. SEYMOUR in charge
 Assistant Professor VAN HORNE, Assistant Professor HAMILTON, Dr. MARTIN, Miss LADD, Miss MELVIN, Miss MERRIAM, Miss SMITHERS, Miss VAN SANDT.
Prerequisite: Spanish 1a-1b, or an equivalent.

3a-3b. Introduction to Spanish Literature.—Reading of Modern authors, and of authors of the seventeenth century. I, II; (3). Dr. SEYMOUR, Dr. MARTIN

Prerequisite: Spanish 2a-2b, or an equivalent.

5a-5b. Commercial Spanish. I, II; (2). Dr. SEYMOUR

Prerequisite: Sp. 2a-2b, or the equivalent.

7a-7b. Intermediate Composition and Conversation.—Conducted in Spanish. I, II; (2). Miss DALLERA, Miss SMITHERS

Prerequisite: Spanish 2a-2b.

8a-8b. Advanced Composition and Conversation.—I, II; (2). Miss DALLERA

Prerequisite: Spanish 7a-7b.

25. Course for Teachers.—Methods of teaching Spanish; discussion of class-room problems. II; (2). Assistant Professor VAN HORNE

Prerequisite: Twenty-two hours' credit in Spanish, or sixteen hours' credit in Spanish plus twenty-two in French.

28a-28b. Senior Thesis.—For candidates for honors in Spanish. Open to other seniors. I, II; (2). Members of the Department

Courses for Advanced Undergraduates and Graduates

Prerequisite for the following courses: Spanish 3a-3b, or the permission of the instructor.

10a-10b. General Survey of Spanish Literature.—*Twice a week*; I, II; (1 unit). Assistant Professor HAMILTON

11a-11b. The Spanish Drama of the Sixteenth and Seventeenth Centuries.—Earlier dramatists; representative plays of Lope de Vega, Calderón, Ruiz de Alarcón and Tirso de Molina. Reports on outside reading. I, II; (2). Assistant Professor VAN HORNE

[17a-17b. The Spanish Drama of the Nineteenth Century.—I, II; (2). Not given in 1922-1923.]

Courses for Graduates

[132. The Novela of the Golden Age.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Professor FITZ-GERALD]

[133. Origin of the Spanish Novela and of the Comedia.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Professor FITZ-GERALD]

[134. The Spanish Ballad.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Dr. SEYMOUR]

135. Modern Novel.—*Twice a week*; I, II; (1 unit). Dr. SEYMOUR

136. Origins of Spanish Literary Movements in the Nineteenth Century.—I, II. *Twice a week*; (1 unit). Professor VAN HORNE

[137. Spanish Satire.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Professor FITZ-GERALD]

[139. Spanish Literature in the Middle Ages.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Professor FITZ-GERALD]

D. ROMANCE PHILOLOGY

Courses for Graduates

[171. Introduction to Romance Philology.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Professor FITZ-GERALD]

175. Old French Phonology and Morphology.—Development of Old French from Vulgar Latin. *Twice a week*; I, II; (1 unit). Professor OLIVER

[179. Old Provençal.—*Once a week*; I, II; (½ unit). Not given in 1922-1923.]

[181. Origin and Formation of the Italian Language.—*Twice a week*; II; (1 unit). Not given in 1922-1923. Professor MCKENZIE]

[185. Oldest Monuments of the Spanish Language; Origins of Spanish Poetry.—*Twice a week*; I, II; (1 unit). Not given in 1922-1923. Professor FITZ-GERALD]

[191. Fables and Bestiaries.—*Twice a week*; II; (1 unit). Not given in 1922-1923. Professor MCKENZIE]

195. Seminar.—Research work in preparation for theses in the field of Romance Languages. I, II; (1 unit). Members of the Department

Summer Session Courses

A. FRENCH

S1a. Elementary Course.—(4).

Miss FOLEY, Dr. STORER, Mrs. OSGOOD

Equivalent: French 1a.

S2a. Modern Prose and Drama.—(3).

Professor CARNAHAN

NOTE.—Students who have had French S2a in a previous Summer Session with different readings will be admitted to this course for full credit, but must do additional work outside the class.

Superior students may earn four credits in this course by taking S4 in addition.

Prerequisite: One year of college French or the consent of the instructor.

Equivalent: French 2a (in part).

S4. Advanced Grammar and Syntax.—Special attention to the chief difficulties of modern French Syntax. This course is recommended to prospective teachers of French. (1).

Assistant Professor VAN ROOSBROECK

S7a. Intermediate Composition and Conversation.—Study and practise of idiomatic expression in speaking and writing. (2).

Assistant Professor VAN ROOSBROECK

Prerequisite: Two years of French or the consent of the instructor.

Equivalent: French 7a.

S25. Teachers' Course.—A study of phonetics, grammatical problems, and methods of teaching. (2).

Assistant Professor VAN ROOSBROECK

Equivalent: French 25.

Courses for Graduates

A cycle of four courses dealing with French literature of the seventeenth, eighteenth and nineteenth centuries will be given in four successive summer sessions.

S126. Special Periods in French Literature.—Lectures and outside reading. ($\frac{1}{2}$ -1 unit).

Professor CARNAHAN

Prerequisite: Graduate standing or the consent of the instructor.

S195. Research Work Including Work in Preparation for Thesis.—($\frac{1}{2}$ -1 unit).

Professor CARNAHAN

B. SPANISH

S1. Elementary Course.—Pronunciation, grammar, reading of easy prose. (4).

Miss BREATHWIT, Miss DALLERA

Equivalent: Spanish 1a.

S2. Modern Spanish.—Rapid reading; review of grammar; composition. (3).

Assistant Professor HAMILTON

Prerequisite: One year of college Spanish or the consent of the instructor.

Equivalent: Spanish 2a (in part).

S4. Grammar and Syntax.—Special attention to the chief difficulties of modern Spanish syntax. (2).

Associate Professor SOTO

Prerequisite: One year of college Spanish, or its equivalent, with minimum grade of B.

S7. Intermediate Composition and Conversation.—Study and practise of idiomatic expression in speaking and writing. (2).

Miss DALLERA

Prerequisite: Two years of college Spanish or the consent of the instructor.

Equivalent: Spanish 7a.

S9. Modern Novel.—Reading of modern authors, collateral reading and reports. (2).

Associate Professor SOTO

Prerequisite: Two years of college Spanish or its equivalent.

Courses for Graduates

A cycle of four courses dealing with Spanish drama and prose of the seventeenth, eighteenth, and nineteenth centuries will be given in four successive summer sessions.

S125. Spanish Drama of the Sixteenth and Seventeenth Centuries.—Lectures and readings. ($\frac{1}{2}$ -1 unit). Assistant Professor HAMILTON

Prerequisite: Graduate standing or the consent of the instructor.

S195. Research Work; Including Work in Preparation for Thesis.—($\frac{1}{2}$ -1 unit).

Assistant Professor HAMILTON

SCANDINAVIAN

(See ENGLISH LANGUAGE AND LITERATURE.)

SOCIAL SCIENCES

(See ECONOMICS, HISTORY, POLITICAL SCIENCE, AND SOCIOLOGY.)

SOCIOLOGY

Professor HAYES; Assistant Professor SUTHERLAND; Dr. RATCLIFFE, Dr. DUNCAN.
Cooperating: Associate Professor WATKINS.

Major: Twenty hours from any courses offered in the department.

Minor: A minimum total of 20 hours in any two of the following subjects: History, economics, political science, philosophy, and psychology.

Courses for Undergraduates

1. **The Principles of Sociology and Their Application to Present Problems.**—I or II;
(3).

Professor HAYES; Assistant Professor SUTHERLAND; Dr. RATCLIFFE, Dr. DUNCAN.
Prerequisite: Junior standing.

7. **The Social Problems of the Rural Community.**—II; (2).

Dr. RATCLIFFE

Prerequisite: Junior standing.

Courses for Advanced Undergraduates and Graduates

2. **Social Relations.**—The facts of association, social suggestion, sympathetic radiation, imitation, prestige, assimilation, competition, conflict, dominance and submission, partisanship, loyalty, social approval and disapproval, altruism, justice; their results, institutions, customs, fashions, group consciousness, public opinion, public sentiment, collective will. I; (3).

Prerequisite: Sociology 1.

Professor HAYES

3. **Social Evolution.**—Antiquity of man, racial divisions, modes of social activity among savage, barbarous, and civilized peoples; family organization, practical arts, economic wants and institutions, origins of government and law, codes of morality, religions; inductions from such facts, as to the theory of social evolution and the method of progress. II; (3).

Prerequisite: Sociology 1.

Professor HAYES

8. **Charities.**—Evolution of modern organized philanthropy, public and private; causes and prevention of poverty; organization and management of charitable institutions. I; (3).

Prerequisite: Sociology 1 or Economics 1; junior standing.

Assistant Professor SUTHERLAND

9. **Criminology.**—Nature, causes, and treatment of the criminal; evolution of modern methods of criminal procedure and penology; recent experiments and tendencies. II; (3).

Prerequisite: Sociology 1; open without other prerequisite to pre-legal students who

have senior standing.

Assistant Professor SUTHERLAND

10. **Population.**—Theories and policies of population; Malthus' Principle and its critics; problems in the population of the United States; immigration, race-mixture, conditions affecting public health, death-rate, birth-rate, "race-suicide," marriage, divorce; selective influences at work on the "population type." I; (3).

Prerequisite: Sociology 1 or Economics 1; senior standing.

Dr. DUNCAN

14. Statistics and Methods of Research.—Methods of concrete investigation and research, principles of statistics and their application to the data furnished by official publications and special investigations; the statistical method applied to both theoretical and practical problems of sociology. II; (3). Assistant Professor SUTHERLAND

Prerequisite: Sociology 1.

25. Morality as a Factor in Social Evolution and Social Organization.—A description of the contrasting moral codes of different social groups; a study of the degree to which the content of these codes is a product of the social evolution of the groups in which they prevail, and of the method of such evolution, as well as of the criteria by which different codes may be judged, including their effects upon other elements in the group life. II; (3). Professor HAYES

Prerequisite: Sociology 1; senior standing.

41-42. Labor Problems.—The same as Economics 41, 42. I, II; (3).

Associate Professor WATKINS

Prerequisite: Senior standing, Economics 1, and three additional hours in economics for which Economics 1 is a prerequisite; or senior standing, Economics 1, and Sociology 1, for students whose major subject is sociology.

44. Socialism and Economic Reform.—The same as Economics 44. II; (3).

Associate Professor WATKINS

Prerequisite: Economics 1 or 2 and junior standing.

Courses for Graduates

Preparation for graduate work in sociology must include the equivalent of twelve semester hours in the social sciences, of which at least three must be in sociology, and three in the principles of economics. The remainder may be in any combination of these two subjects, or of history and political science.

100. Bases of Social Theory.—Systematic presentation and critical discussions. *Twice a week; I; ($\frac{1}{2}$ to 1 unit).* Professor HAYES

102. The Development of Sociology.—I, II; (1 unit); *Twice a week.*

Professor HAYES

150. Seminar.—Detection and statement of problems. Preparation of thesis. I, II; (1 or 2 units). Professor HAYES, Assistant Professor SUTHERLAND

Summer Session Courses

Courses for Undergraduates

S1. The Principles of Sociology and Their Application to Present Problems.—(3).

Assistant Professor SUTHERLAND

Prerequisite: Junior standing or equivalent.

Equivalent: Sociology 1.

Course for Advanced Undergraduates and Graduates

S2. Social Relations.—(3).

Professor HAYES

Prerequisite: Sociology 1 or consent of instructor.

Equivalent: Sociology 2.

Course for Graduates

S126. Educational Sociology.—($\frac{1}{2}$ unit).

Professor HAYES

This is the same course as Education S126.

Prerequisite: Graduate standing or consent of instructor.

Equivalent: Sociology 26.

TRANSPORTATION

Mr. HERRMANN, Mr. LOCKLIN, Mr. VAN METER. *Cooperating:* Professor LITMAN.

Courses for Undergraduates

1. Transportation System of the United States.—Its development and its relation to the public. I; (3).

Prerequisite: Junior standing with credit in Economics 1 or 2.

12. Rates and Regulations.—The history and theory of rates, and the conditions covering the shipment of freight, routing, claims, commission procedure, etc. II; (3).
Prerequisite: Transportation 1.

Courses for Advanced Undergraduates and Graduates

2. European Railroads.—The history and public policy of the railroads of Continental Europe and England. II; (3).

Prerequisite: Transportation 1.

7. Railroad Finance.—I; (3).

Prerequisite: Transportation 1.

8. Railroad Organization and Working.—The departments of American railroad organization and their functions. II; (3).

Prerequisite: Senior standing with credit in Trans. 1.

17. Terminals and Trains.—A study of freight and passenger terminals and terminal management. I; (3).

Prerequisite: Transportation 1 and 2.

22. Ocean Shipping.—A study of the principles of ocean transportation; also ocean ports and terminals. I; (3).

Prerequisite: Transportation 1.

26. Railroad Problems.—A study of important railroad problems such as railroad location, maintenance, replacements, etc.

Prerequisite: Transportation 1, 12, 7 and 17.

Summer Session Course

S1. Transportation System of the United States.—The development of economic problems of railway and other transportation in the United States. (3). Mr. HERRMANN

Prerequisite: Economics 1; junior standing.

Equivalent: Transportation 1.

ZOOLOGY

Professors WARD, SMITH, ZELENY; Associate Professors SHELFORD, VAN CLEAVE, SHUMWAY; Assistant Professor ADAMS; Associates KUDO, MOSS¹, HATHAWAY²; Miss GREEN, Mr. THOMPSON, Mr. MAYHEW, Mr. TOWNSEND, Mr. HYATT, Mr. JOHNSON, Miss PROUT, Mr. STEGGERDA, Mr. DORMAN, Mr. CAHN, Mr. HAMELINK, Mr. WALTON.

Major: 20 hours from any courses offered in the department, excluding Zoology 1, and including Zoology 2, 3, 4, and 5.

Minors: 20 hours chosen from two or three of the following subjects: animal husbandry (Animal Husbandry 30), bacteriology, botany, chemistry, entomology, physics, physiology, psychology, paleontology, and physiography.

Courses 1 and 2 constitute an introduction to later work in zoology. In the second year, a student may choose as a line of work either morphological, experimental, ecological, faunistic, or systematic courses. The courses on microscopical technic (3), heredity and evolution (5), and current investigations (20) are of value for all students. Medical students should take courses 3 and 6 the second year. Those preparing to teach zoology in the high school should take invertebrate morphology (4), field zoology (16, 17), ecology (9, 11), and a course in general entomology.

Courses for Undergraduates

1. General Zoology.—Animal biology; principles of structure; function, interrelations, origin, and development of animal life; the simpler and best-established generalizations in zoological theory. Lectures; laboratory; quiz work. I or II; (5).

Professor WARD, Associate Professor SHELFORD, Associate Professor VAN CLEAVE, Dr. KUDO, Miss GREEN, and assistants

¹Resigned November 5, 1922.

²Appointed November 5, 1922.

2. Vertebrate Zoology and Comparative Anatomy.—Classification of the Chordata; early stages of vertebrate embryology; anatomy of systems of organs considered with regard to function, ontogeny, and evolution; dissection of types of Vertebrata. Lectures; laboratory; quiz work. II; (5). Assistant Professor ADAMS, Miss GREEN, and assistants
Prerequisite: Zoology 1.

4. Invertebrate Morphology.—Morphology of a series of invertebrates; invertebrate structure and development; the application of biological principles. Laboratory; lectures; demonstrations. II; (3). Associate Professor VAN CLEAVE
Prerequisite: Zoology 1.

5. Heredity and Evolution.—(a) The facts of heredity and present views regarding them. (b) The proofs of organic evolution with a discussion of the probable factors involved in the process. Lectures; demonstrations; assigned readings. II; (2). Professor ZELENY
Prerequisite: One year of university work.

3. Microscopical Technic and Early Vertebrate Embryology.—Theory and practise of microscopical technic as applied to embryos of the chick and pig; general embryology with particular attention to the earlier stages of vertebrate embryos. Lectures and laboratory. I; (3). Associate Professor SHUMWAY and assistant
Prerequisite: Zoology 1, 2.

6. Vertebrate Organogeny.—Development of the organs of the vertebrate body with particular reference to the embryology of man; studies of the embryos of the frog, chick, and pig. Lectures; demonstrations; laboratory. Continuation of zoology 3. II; (3). Associate Professor SHUMWAY and assistant
Prerequisite: Zoology 1, 2, and 3.

9. Animal Ecology.—The relations of animals to their natural environments. Field and experimental work; lectures on the natural history of mammals, birds, reptiles, and amphibians. II; (3). Associate Professor SHELFORD
Prerequisite: One year of zoology or one and one-half years of university work, including Zoology 1.

16. Economic Ornithology.—Common birds of the vicinity. Identification; food relations; seasonal distribution; migration activities. Economic importance of birds and of their conservation. Lectures; assigned reading; two field trips per week during April and May in two two-hour periods as given in the schedule, or one four-hour trip on Saturday forenoon. II; (2). Professor SMITH and assistants

17. Field Zoology.—Collection, preservation, and identification of common representatives of the lower vertebrates and of the various groups of land and fresh-water invertebrates (excluding insects) in the vicinity; identification work on living and preserved material from larger rivers and lakes; observations on the habits and life histories of selected forms. Field and laboratory work; assigned readings. I; (4). Professor SMITH and assistant
Prerequisite: One year in zoology.

18. Advanced Field Zoology.—(A continuation of Zoology 17). Taxonomic or distributional problems in connection with the local fauna. II; (3 to 5).¹ Professor SMITH
Prerequisite: Zoology 17.

19a. Advanced Ornithology.—(Continuation of Zoology 16). Systematic and field work; economic and technical literature. I; (2 or 3).¹ Professor SMITH
Prerequisite: Zoology 16.

Courses for Advanced Undergraduates and Graduates

11. Experimental Ecology and Geography.—The physiology of environmental relations; analysis of behavior. World and regional aspects of behavior and ecology; animal distribution as related to climate and vegetation. I; (2 or 4).¹ Associate Professor SHELFORD
Prerequisite: One year of zoology and senior standing.

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

63. General Embryology.—Comparative studies of cellular embryology, the germ layers, and early organogeny; practise in the technical methods of the subject. Lectures; assigned reading; reports; and laboratory. (Open to seniors and graduate students who have not taken Zoology 3). I; (2 or 4).¹ *Time to be arranged.*

Associate Professor SHUMWAY

Prerequisite: Zoology 2 or its equivalent, and senior standing.

66. Ontogeny of Vertebrates.—Studies of the development of selected systems of organs. Lectures; assigned reading; reports; and laboratory. (Open to seniors and graduate students who have not taken Zoology 6). I; (2 or 4).¹ *Time to be arranged.*

Associate Professor SHUMWAY

Prerequisite: Zoology 63 or its equivalent, and senior standing.

22-23. Morphology of Vertebrates.—Detailed studies of systems of organs from the comparative standpoint. Lectures; laboratory work; assigned readings. I, II; (2 to 4).¹ *Time to be arranged.*

Assistant Professor ADAMS

Prerequisite: Zoology 1, 2, 3, 6.

21a-21b. Introduction to Zoological Research.—Morphology, life history, or reciprocal relations of invertebrates, especially parasites of man and other animals. Laboratory; conferences; assigned reading. I, II; (2-5).¹

Professor WARD

Prerequisite: One year in zoological courses, and senior standing.

20a-20b. Current Investigation.—A critical analysis of the results of recent zoological investigations. (Open to all students of zoology; should be taken by those intending to graduate with a thesis). I, II; (1).¹

Professor ZELENY

Prerequisite: Three years of university work, including one year in zoology.

8a-8b. Thesis Investigation.—Individual work on assigned topics. I, II; (5).
Time to be arranged.

Members of the Department

Prerequisite: Two years of zoology.

Courses for Graduates

Students entering on graduate study in the department of zoology should have had two years of undergraduate work in the subject. When chosen as a minor the courses listed for graduates and undergraduates must be preceded by at least one full year's undergraduate work in zoology. Work done at other institutions will be evaluated on conference with the head of the department.

[102. Vertebrate Morphology.—The origin of vertebrates and of the different classes; the segmentation of the head, morphology of special systems. Lectures; required readings; discussions. *Twice a week; I; (½ unit).* *Time to be arranged.* Not given in 1922-1923.

Assistant Professor ADAMS]

107. Parasitology.—Structure and life history of animal parasites; their relations to disease; origin and biological significance of parasitism. Conferences; assigned reading; demonstrations. *Twice a week; I, II; (1 unit).* Given in 1922-1923 and alternate years.

Professor WARD

109-109a. Physiological Ecology.—The regulatory mechanism of organisms; neutralization, osmotic pressure, immunity and temperature in relation to natural environments. *109, twice a week; 109a, assigned readings and reports. II; (½ unit each).* *Time to be arranged.* Given in 1922-1923 and alternate years.

Associate Professor SHELFORD

[110-110a. Economic Ecology.—Application of principles of physiology and ecology to problems of fisheries and pollution; quantity and weather; forestry and conservation. *110, twice a week; 110a, assigned reading and reports. II; (½ unit each).* *Time to be arranged.* Given in 1923-1924 and alternate years.

Associate Professor SHELFORD]

111. Experimental Ecology.—The repetition of published experiments in physiology and ecology, and study of modern methods and apparatus. I, II; (½ to 2 units). *Time to be arranged.*

Associate Professor SHELFORD

115. Factors of Individual and Racial Development.—Experimental embryology; regeneration; heredity; variation; evolution. *Twice a week; I, II; (1 unit).* *Time to be arranged.*

Professor ZELENY

¹In registering for a course with variable credit hours a student must put down on his study list, not the variable hours as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

117. Faunistic Zoology.—Taxonomy and distribution with especial reference to the local fauna; laboratory and field work. *Three times a week; I; (1 unit). II; (½ to 1 unit).*

Professor SMITH

[127. Theories of Animal Phylogeny.—Relations of various groups of animals; significance of so-called intermediate forms; invertebrate larval forms and theories of descent based on them. *Once or twice a week; I, II; (1 unit).* Given in 1923-1924 and in alternate years.

Professor WARD]

Individual Research Courses

121. Invertebrate Morphology and Parasitology.—Individual research course, I, II; *(1 to 2 units).* *Time to be arranged.* Professor WARD

122. Vertebrate Morphology.—Individual research course. I, II; *(1 to 2 units).* *Time to be arranged.* Assistant Professor ADAMS

123. Faunistic and Systematic Zoology.—Individual research course. I, II; *(1 to 2 units).* *Time to be arranged.* Professor SMITH

124. Experimental Zoology.—Individual research course. I, II; *(1 to 2 units).* *Time to be arranged.* Professor ZELENY

125. Animal Ecology and Behavior.—Individual research course. I, II; *(1 to 2 units).* *Time to be arranged.* Associate Professor SHELFORD

Summer Session Courses

Courses for Undergraduates

S1. General Zoology.—Animal biology; principles of structure, function, interrelations, origin, and development of animal life; simpler and best-established generalizations in zoological theory. Recitations and lecture. *(5 or 4).*¹

Associate Professor VAN CLEAVE and assistant

Equivalent: Zoology 1, if for 5 hours' credit.

S2. Vertebrate Zoology and Comparative Anatomy.—Classification of the Chordata; early stages of vertebrate embryology; structure of vertebrate tissues; anatomy of systems of organs considered in respect to their functions, ontogeny, and evolution in the vertebrate series; anatomical studies of types of Chordata. Recitations and lectures. *(5).*

Dr. HIGGINS and assistant

Prerequisite: Zoology 1.

Equivalent: Zoology 2.

S3. Microscopical Technic and Vertebrate Embryology.—Theories, and practise of microscopical technic; fixation, staining, imbedding, section cutting and mounting material for use in the course; study of the early stages of vertebrate embryos. Lectures, laboratory and recitations. *(3).*

Dr. HIGGINS

Prerequisite: Zoology 1 and 2.

Equivalent: Zoology 3.

Courses for Advanced Undergraduates and Graduates

S21. Introduction to Zoological Research.—Morphology, development, and taxonomy of invertebrates (exclusive of insects). Laboratory, assigned reading and conferences. *(2 to 5).*¹

Associate Professor VAN CLEAVE

Prerequisite: Senior standing and one year in Zoology.

Course for Graduates

S104. Morphology and Taxonomy of Invertebrates.—Individual problems dealing with the minute anatomy and classification of invertebrates exclusive of insects. *(½ to 1 unit).*

Associate Professor VAN CLEAVE

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but, 2, or 3, or 4, or 5.

ANATOMY

1. Introduction to Anatomy and Physiology.—History of the vertebrate structures; relation of parts; function; dissection of *Necturus*; microscopic examination of anatomy of organs and tissues. Lecture, laboratory, quiz work. I; (3). (For students in Athletic Coaching).
Assistant Professor ADAMS and assistants

2. Outline of General Structure.—Detailed study of selected parts of skeletal and muscular systems; kinesiology; topographical anatomy; dissection; demonstration on human body. Given in 1921-1922 as Anatomy 1. (For students in Athletic Coaching). Lecture, laboratory, quiz work. II; (3).
Dr. HATHAWAY and assistants

Prerequisite: Anatomy 1.

PART IV

THE UNIVERSITY PRESS

THE UNIVERSITY PRESS

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

HARRISON EDWARD CUNNINGHAM, A.B., *Director of the University Press*

The University of Illinois Press was organized in 1918 to have charge of the work of editing, printing, and distributing the publications of the University.

The University of Illinois publishes, through its several departments and experiment stations, and the scientific bureaus located at the University,¹ the publications named below. A complete list of publications available for sale or free distribution (other than the Annual Register and the announcements of the colleges and schools) is issued by the University Library annually in July. Persons wishing to obtain any of the publications are requested to correspond with the department concerned or with the Director, 161 Administration Building. Libraries and institutions offering material of equivalent value may secure exchanges by corresponding with the University Librarian.

The list of series of publications is as follows:

AGRICULTURE:

- The Bulletin of the Agricultural Experiment Station.
- The Circular of the Agricultural Experiment Station.
- The Soil Report of the Agricultural Experiment Station.

ENGINEERING:

- The Bulletin of the Engineering Experiment Station.
- The Circular of the Engineering Experiment Station.
- The Ceramics Bulletin.

SCIENTIFIC BUREAUS:

- The Report of the State Entomologist.
- The State Laboratory of Natural History Bulletin.
- The Natural History Survey of Illinois.
- The State Geological Survey Bulletin.
- The State Geological Survey Monographs.
- The State Water Survey Bulletin.
- The Illinois Coal Mining Investigations Bulletin.

EDUCATION:

- The School of Education Bulletin.
- The Bulletins of the High School Visitor's Office.
- The Bulletins of the Bureau of Educational Research.

ENGLISH:

- The Illinois Association of Teachers of English Bulletin.

LAW:

- The Law Bulletin.

GRADUATE SCHOOL:

- The Journal of English and Germanic Philology (quarterly, \$3.00 a year).
- The University Studies (occasional).
- The University of Illinois Studies in the Social Sciences (monographs, quarterly, \$3.00 a year).
- The University of Illinois Studies in Language and Literature (monographs, quarterly, \$3.00 a year).
- The Illinois Biological Monographs (quarterly, \$3.00 a year).

¹See pages 345-357.

WAR AND RECONSTRUCTION:

The War Bulletins and Circulars.

GENERAL:

In addition to the serials enumerated above, the University has published a number of books, among which may be mentioned the following:

Alumni Record, 1913; 921 pages, \$2.50.

Alumni Record, 1918; 1,147 pages, 9 plates, \$2.00.

Directory of Matriculants, 1916; 35,000 names, 1,284 pages, \$5.00.

Konungs Skuggsjá, the main MSS. of, in phototypic reproduction, with diplomatic text, by G. T. Flom, 1915; 67 plates, 191 pages, \$15.00.

The Genus *Phoradendron*, by William Trelease, 1916; 224 pages, 245 plates, \$2.50.

Semi-Centennial History of the University of Illinois, volume I, by Burt E. Powell, 1918; 631 pages, illust., cloth, \$2.00 and \$2.25; morocco, \$2.50.

Sixteen Years at the University of Illinois, a statistical study of the administration of President Edmund J. James. 1920. 264 pages and 19 plates. \$2.50.

Life of Columcille, compiled by Marus O'Donnell in 1532. Edited and translated by A. O'Kelleher and G. Schoepperle. Irish Foundation Series, I; 1918; 516 pages, paper, \$3.50; cloth, \$5.00.

Municipal Documents and other Publications on Municipal Government in the University of Illinois Library, 1917; 49 pages, \$0.25.

List of Serials in the University of Illinois Library, together with those in other libraries in Urbana and Champaign, 1911; 233 pages, \$1.20.

State Documents for Libraries, 1915; 163 pages, \$0.75.

The Life of the Pleistocene. By F. C. Baker. 1920. 500 pages, 56 plates, \$5.00.

La Coleccion Cervantina de la Sociedad Hispánica de América (The Hispanic Society of America): Ediciones de Don Quijote. By Homero Seris, Ph.D.; 158 pages and 11 facsimiles, \$1.50.

The Power of a God, and other plays, by T. H. Guild, 1919. 151 pages, 5 plates, \$1.25.

The Pilgrim Tercentenary, 1920. 42 pages, \$0.50.

Paleopathology, by Roy L. Moodie, 1922; ... pages; 117 plates, \$7.50.

PART V

UNIVERSITY EXTENSION

UNIVERSITY EXTENSION

Extension work has not been organized as a separate administrative unit in the University of Illinois. Several departments, however, have initiated activities, both on the campus and in the State at large, which serve to make some of the facilities of the University available to groups of mature persons who are engaged in various industries and professions.

AGRICULTURE

Each of the departments of the College of Agriculture does extension work and so far as possible provides trained specialists for this purpose. In addition to this a separate service known as Agricultural College Extension conducts extension enterprises that do not deal with technical subject matter, and cooperates with the other departments in projecting their work throughout the State. Through this office correspondence with prospective students is conducted and records of former students kept.

Some of the more general Agricultural College extension enterprises are:

(1) A meeting called Farmers' Week, which has formerly been known as the Corn Growers' and Stockmen's Convention, held annually at the College of Agriculture since 1898. The work offered includes lectures, conferences, and intensive class work in animal husbandry, poultry, dairying, farm crops, soils, farm mechanics, farm management and horticulture.

(2) Agricultural extension schools.

(3) Demonstrations held in connection with soil-fertility and crop fields throughout the state.

(4) Cooperation, by furnishing instructors and lecturers, with other educational agencies for rural communities; e.g., farmers' institutes, special lecture railway trains, farm bureaus, the Boys' State Fair School.

(5) Educational exhibits at fairs and expositions.

(6) Farm Bureau and community excursions to the University.

For the Cooperative Extension Service in agriculture and home economics conducted by the University of Illinois and the United States Department of Agriculture, under the provisions of the Federal Smith-Lever Act of May 8, 1914, see page 342.

CERAMIC ENGINEERING

In addition to the regular four-year technical curriculum, the department of ceramic engineering cooperates with the clay and allied industries by offering biannually, at Urbana, during the second semester, a two weeks' industrial course in the principles underlying the manufacture of ceramic products for those who have not the time or the preparation required for academic studies. The work includes lectures, laboratory work, practise in firing kilns, and informal gatherings for question-asking. A common school education is sufficient to enable one to do the work of this course. No charge of any kind is made.

COOPERATIVE EXTENSION SERVICE

University of Illinois and United States Department of Agriculture Under the Smith-Lever Act

HERBERT WINDSOR MUMFORD, B.S., *Director of Agricultural Extension Service*

Agriculture

WILLIAM HERSCHEL SMITH, M.S., *State Leader of County Farm Advisers*
 JAMES DATER BILSBORROW, B.S., *Assistant State Leader of County Farm Advisers*
 CHARLES AUSTIN ATWOOD, B.S., *Assistant State Leader of County Farm Advisers*
 VERNON VANIMAN, B.S., *Assistant State Leader of County Farm Advisers*
 JOHN CLYDE SPITLER, B.S., *Assistant State Leader of County Farm Advisers*
 ROSE DORIS BRIEM, A.B., *Specialist in Office Organization and Management*

Departmental Specialists

Agronomy

FREDERICK CHARLES BAUER, Ph.D., *Associate Professor, Soils Extension*

JAY COURTLAND HACKLEMAN, B.S., A.M., *Associate Professor, Farm Crops Extension*
Animal Husbandry

WILLIAM HERSCHEL SMITH, M.S., *Associate Professor, Animal Husbandry Extension*
Dairy Husbandry

CHRIS SIMEON RHODE, B.S., *Assistant Professor, Dairy Husbandry Extension*
Farm Mechanics

FRANK PAUL HANSON, B.S., A.E., *Extension Specialist, Farm Mechanics Extension*
Farm Organization and Management

RAYMOND LESLIE DONOVAN, B.S., *Assistant Professor, Farm Organization and Management Extension*

Horticulture

WILLIAM SANFORD BROCK, B.S., *Assistant Professor, Horticulture Extension*

County Farm Advisers

W. H. SMITH, *State Leader, Urbana, Illinois*

COUNTY	ADVISER	ADDRESS	COUNTY	ADVISER	ADDRESS
Adams	F. A. Gougler	Quincy	Iroquois	L. W. Wise	Watseka
Bond	Charles Tarble	Greenville	Jackson	C. J. Thomas	Murphysboro
Boone	J. C. Kline	Belvidere	Jefferson	Bertram Abney	Mt. Vernon
Brown	A. E. Davidson	Mt. Sterling	Jersey	R. L. Eyman	Jerseyville
Bureau	W. W. Wilson	Princeton	C. C. Burns	Elizabeth	Elizabeth
Calhoun	J. H. Allison	Hardin	Johnson	J. G. McCall	Vienna
Carroll	G. R. Bliss	Mt. Carroll	Kane	W. B. Richards	Geneva
Cass	R. W. Dickenson	Virginia	Kankakee	J. S. Collier	Kankakee
Champaign	C. H. Oathout	Champaign	Kendall	Earl Price	Yorkville
Christian	C. E. Hay	Taylorville	Knox	L. R. Marchant	Galesburg
Clark	W. W. Merritt	Martinsville	Lake	J. J. Doerschuk	Libertyville
Clay	W. E. Hart	Louisville	La Salle	I. S. Brooks	Ottawa
Clinton	C. H. Rehling	Breese	Lawrence	H. C. Wheeler	Lawrenceville
Coles	Melvin Thomas	Charleston	Lee	L. S. Griffith	Amboy
Cook	L. L. Heller	Arlington Hgts.	Livingston	H. O. Allison	Pontiac
Crawford			Logan	J. H. Checkley	Lincoln
Cumberland	C. B. Price	Toledo	Macon	E. H. Walworth	Decatur
De Kalb	T. H. Roberts	De Kalb	Macoupin	E. W. Rusk	Carlinville
De Witt	F. T. Robbins	Clinton	Madison	Alfred Raut	Edwardsville
Douglas	F. W. Garrett	Tuscola	Marion	F. J. Blackburn	Salem
Du Page	E. A. Carnecross	Wheaton	Marshall-		
Edgar	Enos Waters	Paris	Putnam	F. E. Fuller	Henry
Edwards	F. H. Kelley	Albion	Mason	T. R. Isaacs	Havana
Effingham	J. L. Gardner	Effingham	Massac	O. M. McGhee	Metropolis
Ford	G. T. Swain	Gibson City	McDonough	R. C. Donegheue	Macomb
Franklin	H. A. deWerff	Benton	McHenry	A. J. Gafke	Woodstock
Fulton	J. R. Shinn	Canton	McLean	H. Fahrnkopf	Bloomington
Gallatin	C. W. Simpson	Ridgway	Menard	C. A. Hughes	Petersburg
Greene	E. M. Phillips	Carrollton	Merceer	P. S. Richey	Aledo
Grundy	F. E. Longmire	Morris	Monroe	Alfred Tate	Waterloo
Hancock	J. H. Lloyd	Carthage	Montgomery	A. E. Snyder	Hillsboro
Henderson	F. M. Bane	Stronghurst	Morgan	G. B. Kendall	Jacksonville
Henry	J. W. Whisenand	Cambridge	Moultrie	A. L. Higgins	Sullivan

COUNTY	ADVISER	ADDRESS	COUNTY	ADVISER	ADDRESS
Ogle	G. T. Snyder	Oregon	St. Clair	B. W. Tillman	Belleville
Peoria	W. E. Hedgecock	Peoria	Stark	E. E. Brown	Wyoming
Piatt	J. W. Watson	Monticello	Stephenson	G. F. Baumeister	Freeport
Pike	Otis Kercher	Pittsfield	Tazewell	Ralph E. Arnett	Pekin
Pope	L. Kimmel	Golconda	Union		
Pulaski	W. R. Eastman	Mound City	Vermilion	Arthur Lumbrick	Danville
Randolph	C. W. McWilliams	Sparta	Wabash	F. A. Fisher	Mt. Carmel
Richland	H. B. Piper	Oleny	Warren	A. A. Olsen	Monmouth
Rock Island	O. E. Ackerson	Rock Island	Wayne	C. T. Hufford	Fairfield
Saline	J. E. Whitechurch	Harrisburg	White	E. W. Creighton	Carmi
Sangamon	I. A. Madden	Springfield	Whiteside	L. O. Wise	Morrison
Schuyler	G. E. Gentle	Rushville	Will	J. F. Hedgecock	Joliet
Scott	G. H. Husted	Winchester	Williamson	W. K. Galeener	Marion
Shelby	C. J. Robinson	Shelbyville	Winnebago	C. H. Keltner	Rockford
			Woodford	P. E. Johnston	Eureka

Under the provisions of the Smith-Lever Act, approved by the President of the United States on May 8, 1914, and the terms of its acceptance by the State of Illinois, the University becomes cooperatively responsible for a system of demonstration service designed to combine the results of scientific discovery with the most approved practise on the farms and in the households of the State.

The most important lines of work undertaken under this act are as follows:

- (1) Cooperation with county farm bureaus in the employment of agricultural advisers.
- (2) Cooperation with county home improvement associations in the employment of a woman adviser.
- (3) Employment of extension specialists in agriculture and home economics as special advisers in the field.

HOME ECONOMICS EXTENSION

RUTH A. WARDALL, A.M., *Vice Director of Home Economics Extension*
 JULIET LITA BANE, A.M., *State Leader in Home Economics Extension*
 FERNE HARRIS, A.B., *Assistant State Leader in Home Economics Extension*
 KATHRYN G. VAN AKEN, A.B., *Assistant State Leader in Home Economics Extension*
 MYRTLE WELDON, A.M., *Assistant State Leader in Home Economics Extension*
 HARRIET M. PHILLIPS, B.S., *Assistant State Leader in Junior Extension*

Departmental Specialists

Food

MARION F. FLEMING, A.M., *Food Specialist*

Clothing

MARGIA HAUGH, Ph.B., *Clothing Specialist*

Home Furnishings

MABEL WILKERSON, Ph.B., *Home Furnishing Specialist*

Home Management

MARJORIE SIMS, A.M., *Home Management Specialist*

County Home Advisers

Mary A. McKee, A.B.	Adams	Rhea Gates, B.S.	Macon
Anna M. Neer, B.S.	Bureau	Mary H. Schouten, B.S.	Mercer
Agnes Hitt, A.B.	Champaign	Jessie McCulloch, B.S.	McHenry
Edna Truman, B.S.	Coles	Clara Brian, A.M.	McLean
Flora Gath, B.S.	Hancock	Lucile Allen, B.S.	Rock Island
Etta Barnhart, B.S.	Kane	Julia M. Frank (Mrs.) A.B.	Saline
Anna Olsen, Ph.B.	Kankakee	Emma De Witt, A.B.	Tazewell
Zelma Monroe, B.S.	LaSalle	Stella Hutson, B.S.	Vermilion
Anna Searl, B.S.	Livingston		Williamson
	Logan		

The service in home economics may be classified as follows:

1. *Home Bureaus*—As a result of the interest in home economics which was further stimulated by the availability of Smith-Lever funds, 19 Home Bureaus have been established in the state. These organizations are interested in the development of better living conditions and their educational work is directed by a Home Adviser. In the various Home Bureau activities the Home Advisers are assisted by the group of University specialists. Thus the Home Bureau forms a link by which the findings of the laboratory are made operative in the homes of the people.

2. *Movable Schools*—The extension division of home economics in so far as possible provides instruction upon request for a movable school in any community which is sufficiently interested to pay the local expenses and the traveling and living expenses of a specialist from the extension staff for one week. In the counties which have a Home Bureau organization a similar service is given, where application is made through the Home Adviser, but without cost to the organization except for local expenses.

3. *Correspondence*—Correspondence forms one of the direct channels through which the latest scientific facts can be passed from the department to the general public. The women of the state are availing themselves of this opportunity in ever increasing numbers so that this division of the work forms a very important part of the service which the University renders.

4. *Service for Organizations*—Many organizations carrying on work relating to home economics have been given assistance by means of lectures, demonstrations and study programs. Assistance has been given the following organizations:

Boys' and Girls' Clubs	Farmers' Institutes
Catholic Woman's Clubs	Home Bureaus
Church Organizations	Household Science Clubs
Civic Leagues	Illinois League of Women Voters
Colleges	Parent-Teachers' Associations
Community Fairs	Social Science Clubs
Community High Schools	State Federation of Women's Clubs
Community Clubs	Teachers' Institutes
County Fairs	Township High Schools
County Teachers' Associations	Woman's Clubs
Farm Bureaus	

5. *Press*—The press of the state has been most helpful. The local papers in the 19 counties in which Home Bureaus have been established have been especially loyal in their cooperation. The activities of the Home Bureau have been given wide publicity through various farm journals.

Nine of the Home Bureau Organizations print a monthly news sheet which is mailed to the members of the organization. The remaining ten send a mimeographed sheet to their members.

The Extension News, issued monthly by the Home Economics Extension Staff, is sent to the advisers and to the members of the executive boards in each Home Bureau organization.

PART VI

EXPERIMENT STATIONS AND OTHER SCIENTIFIC BUREAUS

THE AGRICULTURAL EXPERIMENT STATION

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

STAFF¹

HERBERT WINDSOR MUMFORD, B.S., *Director*
STEPHEN ALFRED FORBES, Ph.D., *Consulting Entomologist*
ANNA CUSHMAN GLOVER, *Secretary*
FLORENCE E. SMITH, B.S., *Chief Editorial Assistant*

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WILLIAM LEONIDAS BURLISON, Ph.D., *Head of Department of Agronomy, Chief in Crop Production*
CHARLES FREDERICK HOTTES, Ph.D., *Consulting Plant Physiologist*
LOUIE HENRIE SMITH, Ph.D., *Chief in charge of Publications of Soil Survey*
ERNEST E. DETURK, Ph.D., *Assistant Chief, Soil Technology*
RAYMOND STRATTON SMITH, Ph.D., *Assistant Chief, Soil Physics*
HOWARD JOHN SNIDER, M.S., *Assistant Chief, Soil Survey Experiment Fields*
CLYDE MELVIN WOODWORTH, Ph.D., *Assistant Chief, Plant Breeding*
ORLAND I. ELLIS, B.S., *Assistant Chief, Soil Survey Mapping*
OGLE HESSE SEARS, M.S., *Assistant Chief, Soil Fertility*
DAVID CLEVELAND WIMER, M.S., *Assistant Chief, Soil Physics*
THOMAS EVERETT RICHMOND, M.S., *Associate, Soil Biology*
MICHAEL IVANOVITCH WOLKOFF, Ph.D., *Associate, Soil Survey Analysis*
GEORGE HARLAN DUNGAN, M.S., *Associate, Crop Production*
CLYDE MAURICE LINSLEY, B.S., *Associate, Soil Survey Experiment Fields*
WENDELL PHILLIPS HILTABRAND, B.S., *Associate, Soil Survey Mapping*
ALVA HUGO KARRAKER, B.S., A.B., *Associate, Soil Survey Experiment Fields*
JOHN LAMB, JR., B.S., *Associate, Soil Survey Experiment Fields*
ROBERT WATT STARK, B.S., *First Assistant, Crop Production*
VICTOR ELWIN SPENCER, B.S., *First Assistant, Soil Fertility*
GEORGE VANDER VEEN, B.S., *First Assistant, Soil Survey Analysis*
JOSHUA CLAYTON ANDERSON, B.S., *First Assistant, Soil Fertility*
HENRY GEORGE MARTIN JACOBSON, B.S., *First Assistant, Soil Survey Experiment Fields*
ROYLE PRICE THOMAS, B.S., *First Assistant, Soil Survey Experiment Fields*
MARION BOYER HARLAND, B.S., *First Assistant, Soil Physics*
ETHAN ARLO NORTON, B.S., *First Assistant, Soil Survey Mapping*
FLOYD HAMILTON CRANE, B.S., *First Assistant, Soil Fertility*
MASON AUGUST HEIN, B.S., *First Assistant, Soil Survey Experiment Fields*
CARROLL JOHN BADGER, B.S., *Assistant, Soil Survey Experiment Fields*
SIDNEY SYLVESTER CARNEY, B.S., *Assistant, Crop Production*
BRUCE BYRNE CLARK, B.S., *Assistant, Soil Survey Mapping*
ALVIN LEONARD LANG, B.S., *Assistant, Soil Survey Experiment Fields*

¹The Station Staff includes only those scientific workers who have been recommended by the President and appointed by the Board of Trustees.

ALFRED UHNO THOR, B.S., *Assistant, Soil Survey Experiment Fields*
 JOHN WILLIAM COALE, B.S., *Assistant, Soil Survey Mapping*
 RALPH GIBSON CRAMMOND, B.S., *Assistant, Soil Survey Mapping*
 GEORGE HENRY IFTNER, B.S., *Assistant, Crop Production*
 CLAY ALEXANDER MORRISON, B.S., *Assistant, Soil Survey Mapping*
 FLOYD LESLIE WINTER, B.S., *Assistant, Plant Breeding*

In Animal Husbandry

HENRY PERLY RUSK, M.S., *Chief, Animal Husbandry, Head of Department*
 HARRY SANDS GRINDLEY, D.Sc., *Chief, Animal Nutrition*
 JAMES LLOYD EDMONDS, B.S., *Chief, Horse Husbandry*
 JOHN A. DETLEFSEN, D.Sc., *Chief, Genetics*¹
 ROBERT GRAHAM, D.V.M., B.S., *Chief, Animal Pathology and Hygiene*
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 SLEETER BULL, M.S., *Assistant Chief, Meat*
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 NAO UYEI, B.S., *Assistant, Animal Nutrition*
 JOHN BABCOCK BAKER, B.S., *Assistant, Animal Nutrition*
 FORREST EVERETT KENDALL, B.S., *Assistant, Animal Nutrition*
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 GAGE GRIFFIN CARMAN, *Assistant, Animal Nutrition*
 MARSHALL G. CLARK, B.S., *Assistant, Animal Husbandry*
 ALICE JOAN TULLEY, *Assistant Laboratory Technician, Animal Pathology*
 LESTER A. LUHNOW, *Student Assistant, Animal Husbandry*
 GEORGE I. WALLACE, *Student Assistant, Animal Husbandry*

In Dairy Husbandry

HARRISON AUGUST RUEHE, Ph.D., *Chief, Dairy Manufactures, Head of Dairy Department*
 MARTIN JOHN PRUCHA, Ph.D., *Chief, Dairy Bacteriology*
 WALTER LEE GAINES, Ph.D., *Chief, Milk Production*
 OLIVER RALPH OVERMAN, Ph.D., *Assistant Chief, Dairy Chemistry*
 WILLIAM WODIN YAPP, M.S., *Assistant Chief, Dairy Cattle*
 CHRIS SIMEON RHODE, B.S., *Assistant Chief, Dairy Husbandry Extension*
 WILLIAM BARBOUR NEVENS, Ph.D., *Assistant Chief, Dairy Nutrition*
 ARTHUR SAMUEL AMBROSE, M.S., *Assistant Chief, Dairy Manufactures*
 JAMES MARSHALL BRANNON, Ph.D., *Assistant Chief, Dairy Bacteriology*
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 HARRY ALBERT ROSS, B.S., *Associate, Dairy Economics*
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 PAUL HUBERT TRACY, M.S., *First Assistant, Dairy Manufactures*
 FRED ALEXANDER DAVIDSON, B.S., *First Assistant, Dairy Husbandry*
 HUGH FISHER HALL, B.S., *First Assistant, Dairy Economics*
 RICHARD CHARLES MUNKWITZ, B.S., *Assistant, Dairy Production*

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 RAY IRIS SHAWL, M.S., *Assistant Chief, Farm Mechanics*
 CARL A. SCHOLL, B.S., *Associate, Farm Mechanics*
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 FRANK P. HANSON, B.S., *First Assistant, Farm Mechanics*
 RAYMOND C. KELLEBER, B.S., *Assistant, Farm Mechanics*

¹On leave of absence.

In Farm Organization and Management

HAROLD CLAYTON M. CASE, M.S., *Assistant Chief, Farm Organization and Management*
EMIL RAUCHENSTEIN, B.S., *Assistant Chief, Farm Organization and Management*
WALTER JOHN ROTH, M.S., *Associate, Farm Organization and Management*
CLARENCE ALFRED BONNEN, B.S., *Field Assistant*
LENA CECILIA RHUE, B.S., *Assistant*
GEORGE WEBBER SCHRIDER, B.S., *Assistant*
DEE SMALL, B.S., *Field Assistant*
HERBERT ANDREW BERG, B.S., *Field Assistant*

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WARREN ALBERT RUTH, Ph.D., *Assistant Chief, Pomological Physiology*
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JAMES HUTCHINSON, *Associate, Floriculture*
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FRANK WILSON NEWTON, *Assistant, Pomology*
ISABEL MILDRED MARQUEDANT, B.S., *Assistant, Plant Breeding*
JOSEPHINE K. BUSEY, A.B., *Editorial Assistant, Horticulture*

By an act approved March 2, 1887, the national government appropriated \$15,000 a year to each state for the purpose of establishing and maintaining, in connection with the colleges founded upon the congressional act of 1862, agricultural experiment stations, "to aid in acquiring and diffusing among the people of the United States useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science." Under this provision the *Agricultural Experiment Station of the University of Illinois* was founded in 1888 and placed under the direction of the Trustees of the University; a part of the University farm, with buildings, was assigned for its use.

The federal grant has since been increased to \$30,000 a year. This is supplemented by state appropriations which make an aggregate fund of approximately \$350,000 devoted to research in agriculture.

Investigations are conducted in the improvement of the economic production of crops; the growing and marketing of orchard fruits and of vegetables; the growing of flowers under glass; the methods of production of meats and of dairy goods, and the principles of animal breeding and of nutrition. All the principal types of soil of the State are being studied in the laboratory under glass and in the field. A soil survey is in progress which when finished will map and describe the soil of every farm of the State down to an area of ten acres. Between forty and fifty fields and orchards are operated in various portions of the State for the study of local problems, and assistants are constantly on the road to conduct experiments or to give instruction to producer or consumer. The results of investigation are published in bulletins, which are issued in editions of 5,000 to 50,000 and distributed free of charge.

Much of this work is of interest to students, especially of graduate grade, and it is freely available for this purpose, so far as is consistent with the interests of the Station.

THE ENGINEERING EXPERIMENT STATION

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

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FRANCIS MCMURTRIE HOWELL, B.S., *Special Research Assistant of Engineering Materials (Investigation of the Fatigue of Metals)*
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OTIS GAYLE STEWART, B.S., *Research Graduate Assistant in Mining Engineering*
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HAROLD JAMES MCKEEVER, B.S., *Research Graduate Assistant in Civil Engineering*
JOHN EDWARD NICHOLAS, M.E., *Research Graduate Assistant in Mechanical Engineering*
ALDEN WILLIAM COFFMAN, B.S., *Research Assistant in Gas Engineering*

The Engineering Experiment Station of the University of Illinois is an organization within the College of Engineering. It was created by an act of the Board of Trustees on December 8, 1903, to stimulate and to elevate engineering education and to investigate problems of special importance to professional engineers and to the manufacturing, railway, mining, and other industrial interests of the State and of the country. The knowledge thus obtained is made available through the publication of bulletins presenting the results of original research, and of circulars containing compilations of important information not otherwise readily accessible to the interests to be served.

The control of the Station is vested in an Executive Staff composed of the Director and his Assistant, the Heads of the several departments of the College of Engineering, and the Professor of Industrial Chemistry. This staff is responsible for the establishment of general policies governing the work of the Station, including the approval of material presented for publication. While all members of the teaching staff of the College are encouraged to engage in scientific research, it is conducted chiefly by the Research Corps composed of full-time research assistants, research graduate assistants and special investigators. Those employed for special investigations are engaged for a limited time on a single problem.

The University of Illinois now maintains fourteen Research Graduate Assistantships in the Engineering Experiment Station. In addition, two Research Graduate Assistantships in Gas Engineering have been established under the patronage of the Illinois Gas Association. These Assistantships are open to graduates of approved American and foreign universities and technical schools, who are prepared to undertake graduate study in engineering, physics, or applied chemistry. Each assistantship carries a stipend of \$600 and freedom from tuition, incidental, and laboratory fees. Appointment to these positions must be accepted for two consecutive collegiate years, at the expiration of which period, if all requirements have been met, the degree of Master of Science will be conferred. Not more than half of the time of these assistants, during ten months of each year, is required in connection with the work of the department to which they are assigned; the remainder is available for graduate study.

Information concerning the opportunities for graduate study in engineering will be found in the circular of the Graduate School, which may be obtained upon request to the Dean of the Graduate School. Further details regarding appointment to the Research Graduate Assistantships will be supplied upon request by the Director of the Engineering Experiment Station.

The Station has already published 135 bulletins and 10 circulars. All these publications are regarded as contributions to the literature of engineering, and many of them present important additions to the science of engineering. All publications are distributed free to those persons who are on the regular mailing list of the Station, and to others upon request. After the number of copies of a particular bulletin, however, has been reduced to an established limit, a small charge is made for each of those remaining for distribution. A charge is made for duplicate copies of a particular bulletin when these are requested by an individual, unless in special cases it is deemed advantageous to the Station to furnish such duplicates free. When ordered in large quantities, a special rate for bulletins may be made by the Director.

Upon request to the Director, the name of any person who desires to receive the publications of the Engineering Experiment Station, as they are issued, will be added to the regular mailing list. A complete list of the publications will be sent to anyone who may desire it.

Cooperative Investigations.—In addition to the research work conducted with the funds assigned to the Engineering Experiment Station by the University, a number of cooperative investigations have been undertaken with funds supplied by outside agencies which are chiefly interested in a particular investigation. In undertaking such investigations, the University reserves the right to control the results secured and to publish them for the information and benefit of the public. The funds for such cooperative investigations are paid to the University and are administered by it for the special purpose for which they are provided.

The following important cooperative investigations are now in progress:

1. An investigation of chilled iron car wheels in cooperation with the Association of Manufacturers of Chilled Car Wheels.
2. An investigation of stresses in railroad track in cooperation with the American Society of Civil Engineers and the American Railway Engineering Association.
3. An investigation of problems in the mining of coal in cooperation with the United States Bureau of Mines and the State Geological Survey Division. (See statement concerning cooperative investigation of problems of Illinois mineral industries on page 354.)
4. An investigation of warm air furnaces and furnace heating in cooperation with the National Warm Air Heating and Ventilating Association.
5. An investigation of the fatigue phenomena of metals in cooperation with the Engineering Foundation, the National Research Council, and the General Electric Company.
6. An investigation to determine the friction losses and power requirements for the ventilation of the vehicular tunnel under the Hudson River in Cooperation with the New York State and New Jersey Interstate Bridge and Tunnel Commissions.

BOARD OF NATURAL RESOURCES AND
CONSERVATION
OF THE
DEPARTMENT OF REGISTRATION AND EDUCATION
STATE OF ILLINOIS

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Under an Act of the General Assembly entitled "The Civil Administrative Code" the functions and duties formerly exercised by the Scientific Bureaus located at the University of Illinois, were vested in the Department of Registration and Education with the proviso that they continue to be exercised at the University of Illinois.

The Board of Natural Resources and Conservation, acting through sub-committees composed of the Director of the Department of Registration and Education, the President of the University of Illinois, or his representative, and one or more expert advisers especially qualified, decides all matters pertaining to the Bureaus, including research, investigational and scientific work, the selection and appointment of the members of the scientific staff, the cooperation with the University of Illinois in the use of scientific staff and equipment, and cooperation with allied Divisions and Departments. These Bureaus include the Divisions of Natural History Survey, State Water Survey, and State Geological Survey.

¹Deceased. Successor to be appointed.

STATE NATURAL HISTORY SURVEY

COMMITTEE

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WILLIAM TRELEASE, Sc.D., LL.D., *Professor of Botany, University of Illinois*
JOHN M. COULTER, Ph.D., *Professor of Botany, University of Chicago*

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CHARLES CHALMER COMPTON, B.S., *Field Entomologist*
JOHN H. BIGGER, B.S., *Field Entomologist*
....., *Systematic Entomologist*
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VERNON CLINTON FISK, B.S., *Forest Cruiser*
LEO ROY TEHON, A.M., *Botanist*
CHARLES ORLANDO PEAKE, *Botanical Assistant*
CHARLES EDWIN JANVRIN, B.L.S., *Librarian*

It is the function of the State Natural History Survey to conduct a biological survey covering the entire field of the zoology and botany of the state, but giving preference to subjects of educational and economic importance; to supply natural history specimens to the state educational institutions and the public schools; to investigate the entomology of the state; to conduct experiments with methods for the prevention, arrest, abatement, and control of insects injurious to persons or property; and to publish the product of its investigations in the form of bulletins, circulars, and reports.

Its offices, collections, and experimental equipment are in the Natural History Building and the vivarium of the University and in the Entomology Building, originally provided for the State Entomologist; and its equipment for aquatic biology is mainly on the Illinois River at Havana. It has also field stations for economic entomology—each adequately equipped for field work and life history studies in the three sections of the state—established at Aurora, Jacksonville, and Carbondale, respectively, and in charge of the three field entomologists; and it has also in active operation a forestry survey, a plant disease survey and a survey of the plant and animal life of the waters of the state.

The library of the Survey, containing 65,800 books and pamphlets, and its zoological collections, which include 375,000 pinned insects, 26,000 bottles of insects in alcohol, and over 200,000 Illinois fishes, are available to instructors and students of the University for purposes of reference and study.

STATE WATER SURVEY DIVISION

SUB-COMMITTEE OF THE BOARD OF NATURAL RESOURCES AND CONSERVATION ADVISERS

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ROBERT EDMAN GREENFIELD, A.M., Ph.D., *Chemist*
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WILLIAM U. GALLAHER, M.A., *Chemist*
J. IRWIN SMITH, B.A., *Chemist*
SIDNEY L. NEAVE, *Assistant Chemist*
J. G. KALLAS, B.S., *Bacteriologist*

The State Water Survey Division of the State Department of Registration and Education has succeeded to the duties of the Illinois State Water Survey, which had been organized in the Department of Chemistry of the University of Illinois in 1895. Offices and special laboratories are maintained in the Chemistry Building of the University of Illinois.

A chemical survey of the waters of the State was begun by the State Water Survey in the latter part of September, 1895. In 1897 the legislature authorized the continuance of the work and directed the Trustees of the University to establish a chemical and biological survey of the waters of the State. In 1911 the legislature made an increased appropriation and imposed additional duties on the State Water Survey.

The Survey had collected data concerning water supplies and sewer systems and had surveyed many watersheds.

According to the administrative code the State Water Survey Division, cooperating with other Divisions of the Department, is to investigate and study the natural resources of the State, to prepare plans for their conservation and development, to cooperate with and advise Departments having administrative powers and duties relating to the natural resources of the State, to cooperate with similar Departments in other states and with the United States government, to study the geological formation of the State with reference to its resources in mineral and artesian water, to collect facts and data concerning the water resources of the State, to determine standards of purity for drinking water for the various sections of the State, to publish from time to time the results of its investigations of the waters of the State to the end that the available water resources may be better known and that the welfare of the people in the various communities may be conserved, to make analyses of samples of water from municipal or private sources, to consider and decide all matters pertaining to water and water resources and allied investigational and scientific research, to cooperate with the University of Illinois in the use of scientific staff and equipment, and to cooperate with the various Departments in research, investigational, and scientific work, useful in the prosecution of the work of any Department.

STATE GEOLOGICAL SURVEY DIVISION

The work of the State Geological Survey Division is administered under the State Department of Registration and Education by a Board of Natural Resources and Conservation through one of its sub-committees.

SUB-COMMITTEE OF THE BOARD OF NATURAL RESOURCES AND CONSERVATION

A. M. SHELTON, *Director, Department of Registration and Education*
KENDRIC C. BABCOCK, Ph.D., LL.D., *Dean of the College of Liberal Arts and Sciences,*
University of Illinois
ROLLIN D. SALISBURY,¹ A.M., LL.D., *University of Chicago*

STAFF

FRANK WALBRIDGE DEWOLF, B.S., *Chief, Urbana*
JAMES HAROLD HANCE, E.M., Ph.D., *Assistant Chief, Urbana*
WILLIAM HENRY HERRON, B.S., *Geographer in Charge of Cooperative Topographic Surveys,*
Urbana and Washington, D.C.
SAMUEL WILSON PARR, M.S., *Consulting Chemist in Coal Investigations, University of*
Illinois
CULLEN WARNER PARMELEE, B.S., *Consulting Ceramic Engineer, University of Illinois*
THOMAS EDMUND SAVAGE, Ph.D., *Geologist, University of Illinois*
STUART WELLER, Ph.D., *Geologist, University of Chicago, Chicago*
HARLAN H. BARROWS, Ph.D., *Geographer, Chicago*
GLADYS HAWLEY, B.S., *Assistant Geologist, Urbana*
HENRIETTA CHRISTENSEN, B.S., *Assistant Geologist, Urbana*
LOUIS AUBREY MYLIUS, B.S., E.M., *Geologist, Urbana*
FRANK KREY, B.S., *Geologist, Urbana*
MORRIS MORGAN LEIGHTON, Ph.D., *Geologist, University of Illinois*
HAROLD EUGENE CULVER, Ph.M., *Geologist, Urbana*
DOUGLAS MOORE COLLINGWOOD, B.S., *Geologist, Urbana*
LOUIS W. CURRIER, A.M., *Geologist, Syracuse University, Syracuse*
JOHN EVERT LAMAR, M.S., *Geologist, Urbana*
DANIEL JEROME FISHER, M.S., *Geologist, University of Chicago, Chicago*
PAUL MACCLINTOCK, Ph.D., *Geologist, University of Chicago*
ELMSLIE T. THOMAS, A.M., *Geologist, University of Arkansas*
ALFRED WILLIAM THURSTON, B.S., *Assistant Geologist, Urbana*
ADOLF CARL NOÉ, Ph.D., *Paleobotanist, University of Chicago, Chicago*
FRANK BONNER LEONARD, J.D., *Investigator of Drainage Law, Champaign*
JUSTA M. LINDGREN, A.M., *Chemist, Urbana*

Five to eight geological field and laboratory assistants are under employment during part of each year, in addition to the staff listed above.

In carrying out the primary purpose of the organization, field parties make investigations of oil, clay, coal, stone, artesian water, cement materials, road materials, and general scientific problems. They also conduct surveys for the completion of topographic and geologic maps of the State, in part in cooperation with the United States Geological Survey. Topographic surveys have been completed for almost 35 per cent. of the State. Eight county maps have been made by combining and republishing the atlas sheets in county units, and it is planned to add to the list of county maps as rapidly as the necessary surveys are completed.

To date sixty-two volumes, seventeen of them belonging to the Mining Investigations series, aggregating more than 8,000 pages, have been published, as well as numerous drainage, topographic, structural, and geologic maps.

¹Deceased. Successor to be appointed.

The Survey cooperates actively with other State departments and technical divisions on problems having an engineering or geologic aspect. Especial attention has been given to the study of available materials for use in constructing highways, in accordance with the hard-road program which is being fostered by State and National Governments.

Another recent and special investigation, a report on which has been published, relates to the status of reclamation of overflowed lands in the State. Several thousand square miles remain to be reclaimed. The chief difficulties have been legal rather than physical, and the aim of the investigation just completed was to determine the various difficulties and the possible remedies and to lead to a State policy with regard to this important subject.

Under an enlarged appropriation granted by the last General Assembly the program of topographic mapping is going forward at a rate designed to complete the map of the state in 12 years. In addition to the usual quadrangle surveys special areas are being topographically mapped to serve the immediate needs of the Highway Division for the selection of road routes, of the Department of Health for use in recommending public water supplies, and of the Division of Waterways in connection with the principal feeders of the Illinois canal. Other irregular areas in need of drainage reclamation are also being surveyed rapidly.

The excellent offices and laboratory quarters provided by the University in the Ceramics Building are well equipped for the conduct of the work of the Survey. Thousands of drill records, detailed mine notes, coal analyses, and other data on economic resources of Illinois form an active and growing collection which is invaluable and demands careful permanent preservation. From it is drawn much of our knowledge of the geology and mineral resources of the State.

Under an agreement between the College of Engineering, the United States Bureau of Mines, and the State Geological Survey Division, a station has been located at Urbana for a cooperative investigation of the Illinois mining industry, and the various agencies contribute men and funds for investigations under an agreed program.

COOPERATIVE INVESTIGATION OF PROBLEMS OF ILLINOIS MINERAL INDUSTRIES

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

STAFF

Engineering Experiment Station

MILO SMITH KETCHUM, C.E., *Director*

HARRY HARKNESS STOEK, B.S., E.M., D.Sc., *Professor of Mining Engineering*

ARTHUR JOSEPH HOSKIN, B.S., M.E., *Research Assistant, Professor of Mining Engineering*

State Geological Survey

FRANK WALBRIDGE DEWOLF, B.S., *Chief*

HAROLD EUGENE CULVER, Ph.B., Ph.M., *Coal Geologist*

United States Bureau of Mines

HARRY FOSTER BAIN, B.S., Ph.D., *Director*, Washington, D.C.

GEORGE S. RICE, E.M., *Chief Mining Engineer*, Washington, D.C.

DORSEY A. LYON, A.B., A.M., Ph.D., *Supervisor of Stations*, Washington, D.C.

JOHN JOSEPH RUTLEDGE, B.S., Ph.D., *Superintendent*, Central District Station, Urbana

WILLIAM ALBERT DUNKLEY, B.S., *Gas Engineer*, Urbana

THOMAS FRASER, B.S., E.M., *Assistant Mining Engineer*, Urbana

HARRY FAGAN YANCEY, A.B., A.M., *Chemist*, Urbana

RICHARD DUDLESTON LEITCH, B.S., *Junior Chemist*, Urbana

The Engineering Experiment Station

Through the Department of Mining Engineering of the University of Illinois, the State Geological Survey, and the United States Bureau of Mines, the Engineering Experiment Station is cooperating throughout the State in investigations and dissemination of information, with a view to improving conditions in the mining, quarrying, metallurgical, and other mineral industries, safeguarding life among employees, preventing unnecessary waste of resources, and otherwise contributing to the advancement of these industries, under authority granted by the Forty-seventh General Assembly.

The University, through the Engineering Experiment Station, furnishes offices and laboratory facilities for the Bureau in Urbana, and takes part, through the Department of Mining Engineering, both in field work and in publication.

The State Geological Survey adds to the cooperation a staff of geologists who are giving particular attention to the mineral resources of the State and to other geological problems.

The United States Bureau of Mines has established a mining experiment station at Urbana, with offices in the Ceramic Engineering Building which are headquarters for the technical staff of Bureau engineers working in this district.

Through the cooperation of the three contracting parties, a staff of trained engineers, geologists, and metallurgists is at the disposal of the mining and metallurgical industries of Illinois.

THE BOARD OF EXAMINERS IN ACCOUNTANCY

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

BOARD OF EXAMINERS

ALBERT T. BACON, C.P.A., *Chairman*, Chicago
EDWARD E. GORE, C.P.A., *Secretary*, Chicago
HARRY J. DUNBAUGH, A.B., LL.B., Chicago

UNIVERSITY COMMITTEE

MAURICE HENRY ROBINSON, Ph.D., *Chairman*
GEORGE PHILIP TUTTLE, B.S., *Secretary*
JOHN NORTON POMEROY, A.M., LL.B.

By a law passed in 1903 the State University is made an examining board of applicants for certificates as certified public accountants. To carry out the provisions of the law the Board of Trustees has appointed a board of three examiners to prepare, conduct, and grade examinations, and a University committee to conduct the routine work. Under the law one examination must be held each year in May, but examinations have been held also in November or December of each year in which there were a sufficient number of applicants. All the examinations thus far given have been held in the city of Chicago.

Applicants for the certificate of Certified Public Accountant are required to pass examinations in the theory of accounts, commercial law, auditing, and practical accounting.

The Illinois Society of Certified Public Accountants offers annually a gold medal and a silver medal to be awarded, respectively, to the persons passing the C. P. A. examination with the highest total marking in all subjects and with the second highest total marking in all subjects.



LIST OF STUDENTS, 1922-1923

THE GRADUATE SCHOOL

Abbott, Howard Clinton—Botany B.S. (<i>Michigan Agricultural Coll.</i>), 1918 M.S., 1922	SS ¹ * †	Lansing, Michigan
Abbott, Talbot Ward—Chemistry A.B. (<i>Indiana Univ.</i>), 1918 A.M. (<i>Harvard Univ.</i>), 1922	†	Otwell, Indiana
Abraham, Leonard Gladstone—Electrical Engineering B.S., 1922	* †	Watson
Adamek, George Frank—Economics B.S., 1922	* †	Davenport, Iowa
Agersborg, Helmer Pareli Kjerschow—Zoology B.S., M.S. (<i>Univ. of Washington</i>), 1916 M.A. (<i>Columbia Univ.</i>), 1920	SS	Trandkjem, Norway
Aiello, Gaetano Rudolph—Romance Languages B.A. (<i>Amherst Coll.</i>), 1919	* †	West Hoboken, New Jersey
Alicante, Marcos Mondejar—Agronomy B.S. (<i>Oregon Agricultural Coll.</i>), 1920 M.S., 1921	* †	Iloilo, Philippine Islands
Alleman, Martin Benjamin—Dairy Husbandry B.S., 1922	†	Champaign
Allen, Robert Joseph—English 132½ hrs. (<i>Univ. of Illinois</i>)	†	Charleston
Ambrose, Arthur Samuel—Dairy Husbandry B.S., M.S., 1914, 1922	SS * †	Urbana
Anderson, Arthur G—Business Organization and Operation B.S. (<i>Iowa State Coll.</i>), 1912	* †	Urbana
Anderson, Clarence Scott—Animal Husbandry B.S., 1914	SS	Champaign
Anderson, Earl William—Education A.B., 1918	SS	Charleston
Anderson, Nelson Joseph—Physical Chemistry B.S. (<i>Kansas State Agricultural Coll.</i>), 1920 M.S., 1922	SS	Burchard, Nebraska
Andrews, Howard Wilbert—Business Organization and Operation B.S., 1922	* †	Pontiac
Andrews, John Wendell—Physical Chemistry B.S. (<i>Kansas State Agricultural Coll.</i>), 1920 M.S., 1922	* †	Champaign
Andrews, William Drouse—Civil Engineering B.S., 1921	* †	Champaign
Araki, Genji—Reinforced Concrete Degree (<i>Imperial Univ.</i>), 1916	*	Tokyo, Japan
Archer, Luther Bunyan—Electrical Engineering B.S. (<i>Univ. of Texas</i>), 1922	* †	Holland, Texas
Archer, Mrs. Metta Jacobs—Education A.B. (<i>Western Coll. for Women</i>), 1912	* †	Urbana
Arndt, Paul William—Education B.S., 1917	SS	St. Charles, Missouri
Arnold, Charles Nathan—Electrical Engineering B.S., 1911	SS * †	Urbana
Arnold, Eric Anderson—Physics B.S. (<i>Case School of Applied Science</i>), 1919		Champaign
Arnold, John William—Mathematics A.B., 1921	SS * †	Little Rock, Arkansas
Ashton, Bessie Leola—Geography B.S., M.S. (<i>Univ. of Chicago</i>), 1911, 1916	* †	Urbana
Axt, Ridgely Wilson—Olericulture B.S. (<i>Univ. of Maryland</i>), 1920	* †	College Park, Maryland
Badger, Carroll John—Agronomy B.S., 1920	†	Ewing
Bagby, Lloyd Collier—Mathematics A.B. (<i>Washburn Coll.</i>), 1917 M.A. (<i>Univ. of Kansas</i>), 1922	* †	Urbana
Bailey, Harold Wood—Mathematics B.S. (<i>Ottawa Univ.</i>), 1921	* †	Denver, Colorado
Baily, Henry Heaton—Economics Ph.B. (<i>Univ. of Chicago</i>), 1911 A.M., 1921	SS	Cambridge, Massachusetts
Baird, Frieda—Economics B.S., 1922	* †	Jamaica
Baker, John Babcock—Chemistry B.S., 1921	SS * †	Springfield

Attendance first semester indicated by the asterisk (); second semester by the dagger (†).

¹Summer Session

²Candidate for professional degree in engineering.

- Barber, Julia Minnetta—English
A.B., A.M., 1913, 1915
- Barndt, Alice Louise—English
A.B. (*Knox Coll.*), 1922
- Barr, William John—Political Science
A.B. (*Clark Coll.*), 1920
A.M. (*Clark Univ.*), 1921
- Barry, Jennie Eulalia—Sociology
A.B., 1918
- Bartow, Virginia—Organic Chemistry
A.B. (*Vassar Coll.*), 1918
A.M., 1921
- Bassett, Charles Fernando—Geology
A.B. (*Cornell Univ.*), 1922
- Bassett, Vera V—Education
A.B., 1922
- Batterton, Harriet—Education
A.B., 1920
- Bauer, Ezra Edward—Civil Engineering
B.S., 1919
- Bauer, William Wert—Chemistry
B.A., M.S. (*Ohio State Univ.*), 1917, 1918
- Baumunk, Ross Sonnefeld—Business Organization and Operation
B.S., 1922
- Bayley, Herbert Grant—Economics
B.S., 1922
- Beatty, Elsie—English
A.B., 1919
- Beatty, Francis Merrill—Accountancy
B.S., 1914
- Beckman, Arnold Orville—Physical Chemistry
B.S., 1922
- Behrens, Martin Albert—Business Organization and Operation
B.S., 1919
- Bender, Harry Albert—Mathematics
A.B. (*Ohio State Univ.*), 1918
M.A., 1921
- Benker, Herman—Chemistry
A.B. (*Hope Coll.*), 1922
- Bennett, Theodore Lake—Mathematics
A.B. (*Cornell Univ.*), 1921
- Bennett, William Lee—Latin
A.B., 1902
- Berg, Herbert A—Economics
B.S., 1922
- Berman, Edward—Economics
B.S., M.A. (*Columbia Univ.*), 1920, 1921
- Berzunza, Julius—Romance Languages
A.B. (*Univ. of Oklahoma*), 1921
- Best, Margaret Elizabeth Ripetaux—History
A.B. (*De Pauw Univ.*), 1922
- Bishop, Ward Lesla—Economics
A.B. (*Earlham Coll.*), 1923
- Blain, Walter Leroy—Botany
A.B. (*Wabash Coll.*), 1916
A.M., 1921
- Bloom, Margaret—French
A.B. (*Smith Coll.*), 1914
- Bond, Roger Moore—Chemistry
A.B. (*Monmouth Coll.*), 1920
M.S., 1922
- Bonnen, Clarence Alfred—Economics
B.S., 1920
- Booker, Helen Ethel—English
A.B., 1905
- Bordner, Earl Raymond—Physics
A.B. (*Wabash Coll.*), 1922
- Bosman, Ferdinand Hugo—Agronomy
B.S. (*Transvaal Univ.*), 1921
- Bosworth, Thomas Augustus—Education
B.A. (*Lake Forest Univ.*), 1920
- Bower, Homer Clark—Sociology
A.B. (*McKendree Coll.*), 1920
- Bower, John Hanson—Education
Ph.B. (*Brown Univ.*), 1915
- Bowlus, Hazel W—Latin
A.B., 1915
- Brady, George Keyports—English Literature
A.B., 1916
M.A. (*Harvard Univ.*), 1919
- Brandon, Eugenie Josephine—English
A.B., 1915
- Braucher, Herbert Hill—Agriculture
B.S. (*Univ. of Wisconsin*), 1894
- Bray, Charles Iscard—Economics
B.S.A. (*Ontario Agricultural Coll.*), 1904
M.S. (*Mississippi Agricultural & Mechanical Coll.*), 1907
- * *La Foz*
- * † *Galesburg*
- * † *Worcester, Massachusetts*
- SS * † *Champaign*
- * † *Iowa City, Iowa*
- * † *Castile, New York*
- * † *Champaign*
- * † *Greenfield*
- * *Urbana*
- SS * † *Urbana*
- SS *Champaign*
- * † *Carmi*
- SS * † *Paris*
- * † *Chicago*
- * † *Champaign*
- SS * † *Crete*
- SS * † *Uhrichsville, Ohio*
- * † *Grand Rapids, Michigan*
- SS * † *Urbana*
- * *Urbana*
- * *Riverside*
- * † *Urbana*
- SS * † *Champaign*
- * † *Delphi, Indiana*
- † *Portland, Indiana*
- * † *Columbia City, Indiana*
- * † *Evanston*
- * † *Appleton, Wisconsin*
- SS * † *Urbana*
- SS *Champaign*
- * † *Columbia City, Indiana*
- * † *Bloemfontein, South Africa*
- SS *Ottumwa, Iowa*
- SS *Hulsonville*
- SS *Methuen, Massachusetts*
- SS * † *Urbana*
- * † *Champaign*
- SS *Farmer City*
- * *Urbana*
- SS *Fort Collins, Colorado*

- Bray, Roger Hammond—Agronomy
B.S. (*Pennsylvania State Coll.*), 1923
- Breathwit, Rachel Augusta—Spanish
A.B., A.M., 1920, 1921
- Brede, Lothar Homer—Chemistry
B.S., M.S., 1919, 1921
- Bredehoeft, John Fred—Accountancy
B.S., 1922
- Breedlove, Lincoln Bales—Mechanical Engineering
B.S., 1914
- Brennan, James Thomas—Accountancy
B.S., 1922
- Brent, Jewell Allen—Education
A.B. (*McKendree Coll.*), 1918
- Brett, Axel—Philosophy
A.B. (*Gustavus Adolphus Coll.*), 1912
A.M. (*Univ. of Minnesota*), 1914
- Bridges, Gerald Jackson—Economics
A.B. (*DePauw Univ.*), 1922
- Briggs, Dorothy Frances—Mathematics
A.B., 1921
- Brock, Irl Maxwell—Education
B.S., 1922
- Brode, Wallace Reed—Organic Chemistry
B.S. (*Whitman Coll.*), 1921
M.S., 1922
- Brown, Hugh Alexander—Electrical Engineering
B.S., M.S., 1911, 1918
- Brown, Pembroke Holcomb—Economics
A.B., A.M., 1915, 1917
- Brown, Ralph Newton—Education
B.S., 1920
- Brown, Rex L.—Theoretical and Applied Mechanics
B.S. (*Univ. of Kansas*), 1919
M.S., 1921
- Brown, Victor Israel—Education
A.B., 1919
- Broyles, Mrs. Bertha Lee—Philosophy
A.B. (*Indiana Univ.*), 1910
M.A. (*Pennsylvania State Coll.*), 1921
- Broyles, William Anderson—Education
B.S. (*Tri-State Coll.*), 1905
A.B. (*Indiana Univ.*), 1908
M.A. (*Univ. of Wisconsin*), 1914
- Bruce, Warren Cobine—Chemistry
B.S., 1922
- Bryant, Earl Ruskin—Entomology
A.B., M.A. (*James Millikin Univ.*), 1906, 1910
- Buchan, Leslie James—Accountancy
B.S., 1922
- Bull, Helen Marie—Chemistry
A.B. (*Goucher Coll.*), 1920
- Bullions, Cornelius Sheland—Electrical Engineering
E.E. (*Rensselaer Polytechnic Inst.*), 1916
- Bunting, Leatha Dean—Botany
A.B. (*Illinois Woman's Coll.*), 1920
- Burgess, Thomas O.—Chemistry
A.B. (*Wheaton Coll.*), 1918
A.B. (*St. Olaf Coll.*), 1922
- Burgman, Edwin Benjamin—English
A.B. (*Dartmouth Coll.*), 1915
A.M. (*Harvard Coll.*), 1917
- Burnett, Waldo Briggs—Organic Chemistry
A.B. (*Southern Methodist Univ.*), 1919
M.S., 1921
- Busey, Garreta Helen—English
A.B. (*Wellesley Coll.*), 1915
M.A., 1922
- Butler, Courtland Livingston—Organic Chemistry
B.S. (*Pennsylvania State Coll.*), 1920
- Butler, Mrs. Jeanne Riou—French
B.A. (*Pennsylvania State Coll.*), 1920
- Butler, William Glenn—Animal Husbandry
B.S., 1914
- Byerly, Cary Clifford—Education
A.B. (*Manchester Coll.*), 1918
- Bysack, Bhupendra Nath—Economics
B.S., M.S., 1921, 1922
- Cagann, Oscar William—Business Organization and Operation
B.S., 1921
- Cahn, Alvin Robert—Zoology
B.S. (*Cornell Univ.*), 1913
M.S. (*Univ. of Wisconsin*), 1915
- Caldwell, Clyde T.—Organic Chemistry
B.S. (*Earham Coll.*), 1922
- † Vineland, New Jersey
- SS * † Urbana
- * † Collinsville
- SS St. Louis, Missouri
- * † Chicago
- * St. Louis, Missouri
- * † Lebanon
- * † Urbana
- * † Greencastle, Indiana
- † Kansas City, Missouri
- SS * Mt. Vernon
- SS * † Walla Walla, Washington
- SS * Urbana
- SS * † Champaign
- SS Greensburg, Indiana
- * † Champaign
- SS Oblong
- * State College, Pennsylvania
- * State College, Pennsylvania
- SS * † Champaign
- SS Decatur
- * † Clarion, Iowa
- * † Kennett Square, Pennsylvania
- * † Urbana
- * † Quincy
- * † Newark
- * † Concord, New Hampshire
- SS * † Urbana
- * † Urbana
- * † Pittsburgh, Pennsylvania
- * † Pittsburgh, Pennsylvania
- SS * Champaign
- SS Lima, Ohio
- SS * Calcutta, India
- * † Champaign
- * † Chicago
- * † Fairmount, Indiana

*Candidate for professional degree of engineering.

Calvery, Herbert Orion—Organic Chemistry B.S. (<i>Greenville Coll.</i>), 1919 A.B., 1921	SS * † <i>Peniel, Texas</i>
Camp, Chester Bennett—Economics 131½ hrs. (<i>Univ. of Illinois</i>)	† <i>Casner</i>
Campbell, Mason H—Genetics B.S., 1917 M.S. (<i>Univ. of Wisconsin</i>), 1922	SS * † <i>Urbana</i>
Carlson, Avis Dungan—English A.B. (<i>Southwestern Coll.</i>), 1917 A.M., 1922	SS * † <i>Garfield, Kansas</i>
Carman, Gage Griffin—Animal Husbandry B.S., 1922	* † <i>Charleston</i>
Carman, Max G—Mathematics A.B., 1922	SS * † <i>Charleston</i>
Carney, Sidney S—Farm Crops B.S., 1920	SS * † <i>Urbana</i>
Carothers, Wallace Hume—Organic Chemistry B.S. (<i>Tarkio Coll.</i>), 1920 M.S., 1921	SS * † <i>Des Moines, Iowa</i>
Carson, Leslie Ward—History A.B. (<i>Franklin Coll.</i>), 1920	SS <i>Gas City, Indiana</i>
Carver, Frederik Elmer—Horticulture B.S., 1921	SS * † <i>Urbana</i>
Casey, William Cornell—Political Science A.B. (<i>James Millikin Univ.</i>), 1916 A.M., 1922	* <i>Decatur</i>
Caudle, Earl Cecil—Organic Chemistry B.S. (<i>Oregon State Coll.</i>), 1921	SS * † <i>Hillsboro, Oregon</i>
Causey, David—Zoology A.B. (<i>James Millikin Univ.</i>), 1921 A.M., 1922	SS <i>Greenville</i>
Cheney, George Henry—Organic Chemistry B.S. (<i>Univ. of Maine</i>), 1919 M.S., 1921	* † <i>Urbana</i>
Cheng, Hsio Yu—Political Science A.B., 1922	SS * † <i>Nanchang, China</i>
Christman, Adam Arthur—Chemistry B.S. (<i>Grinnell Coll.</i>), 1917 M.S., Ph.D., 1920, 1922	SS <i>Shannon</i>
Clark, Edwin Robert—Physics A.B. (<i>Clark Univ.</i>), 1921	* † <i>Springfield, Massachusetts</i>
Clark, James Russell—Education B.S., 1916	SS <i>Charleston</i>
Clark, Marshall G—Animal Husbandry B.S., 1920	* † <i>Urbana</i>
Clemente, Leopoldo Ly de la Rosa—Genetics B.S., M.S., 1920, 1921	SS * † <i>Bulacan, Philippine Islands</i>
Clements, Victor Hugo—Municipal and Sanitary Engineering B.S. (<i>Univ. of Texas</i>), 1920	* <i>Houston, Texas</i>
Clippinger, Frank Warren—English Literature A.B. (<i>Wabash Coll.</i>), 1916 A.M., 1917	SS * † <i>Champaign</i>
Cobb, Thomas Howell—Education 130 hrs. (<i>Univ. of Illinois</i>)	† <i>New Burnside</i>
Coffman, Alden Williams—Chemistry B.S., 1922	SS * † <i>Davenport, Iowa</i>
Collier, Bertha Elsie—English Ph.B. (<i>Univ. of Chicago</i>), 1915 M.A. (<i>Stanford Univ.</i>), 1919	SS <i>Decatur</i>
Collins, Irvin Bliss—Education A.B., 1917	SS <i>Potomac</i>
Conkwright, Nelson Bush—Mathematics A.B. (<i>Univ. of Kentucky</i>), 1922	* † <i>Winchester, Kentucky</i>
Cooley, Verna—History B.S., M.A., 1921, 1922	* <i>Toulon</i>
Corley, Ralph Conner—Physiological Chemistry A.B., A.M., 1921, 1922	SS * † <i>Tower Hill</i>
Corman, Julian—Education A.B., 1919	† <i>Gilman</i>
Corrington, John W—Economics 128 hours (<i>Univ. of Illinois</i>)	* † <i>Jacksonville</i>
Cover, Olive—English A.B., 1920	SS <i>Tunnel Hill</i>
Cox, Flemin Willet—Geology A.B., A.M., 1908, 1921	SS * † <i>Champaign</i>
Cox, Gerald Judy—Chemistry B.S., 1919	* † <i>Bridgeport</i>
Crabb, David Wendell—Accountancy A.B. (<i>Colorado Coll.</i>), 1920 C.P.A., 1922	SS * † <i>Greeley, Colorado</i>
Crane, Floyd Hamilton—Agronomy B.S. (<i>Ohio State Univ.</i>), 1921	SS * † <i>Ravenna, Ohio</i>
Crawford, Charles Matthew—Education A.B., 1921	SS <i>Washburn</i>

Crawford, Thomas ¹ —Electrical Engineering B.S., 1894	* † Clinton, Iowa
Creecraft, Gordon R.—English B.A. (<i>Miami Univ.</i>), 1918 M.A., 1922	SS * † Liberty, Indiana
Croft, Huber O.—Mechanical Engineering B.S. (<i>Univ. of Colorado</i>), 1918	SS * † Urbana
Crossman, Ralph Stuart—Civil Engineering C.E. (<i>Cornell Univ.</i>), 1911	* † Urbana
Crosthwait, George Ashley—Education B.S., 1903	SS Urbana
Croxton, Walter Clyde—Education B.S., 1921	SS * † Urbana
Crum, Ferris Bertrand—Chemistry B.S. (<i>Knox Coll.</i>), 1906	SS Palmyra
Dale, Charles Sherman—Botany B.S., A.M., 1920, 1921	* † Champaign
Damisch, Herbert Raymond—Economics B.S., 1923	† Gilberts
Dauber, Addis Lionel—Economics B.S., 1922	* Chicago
Davidson, Fred Alexander—Genetics B.S., 1921	* † Urbana
Davis, Anne Wallis—Organic Chemistry A.B. (<i>Bryn Mawr</i>), 1917	* Princeton, New Jersey
Davis, Charles Brewer—English A.B., 1920	* † Champaign
Davis, Garland Hale Barr—Organic Chemistry A.B., B.S. (<i>Univ. of Kentucky</i>), 1921, 1922	* † Lexington, Kentucky
Davison, Leslie Leroy—Economics B.A. (<i>Univ. of Colorado</i>), 1908 M.A. (<i>Univ. of Wisconsin</i>), 1910	* † Urbana
Dell, Hazel Anna—English B.A. (<i>Illinois Women's Coll.</i>), 1922	* † Dubuque, Iowa
Dependahl, Carrie Wilhemina—English B.S., 1922	SS Delhi
Dickinson, Frank Greene—Economics A.B., 1921	SS Griggsville
Dieterle, Edward August ¹ —Mechanical Engineering B.S., 1904	* † Glen Ellyn
Dietert, Harry Walter—Applied Mechanics B.S. (<i>Iowa State Coll.</i>), 1920	* † Kerrville, Texas
Diffenbaugh, Guy Linton—English Literature A.B. (<i>Franklin and Marshall Coll.</i>), 1912 A.M. (<i>Harvard Univ.</i>), 1915	SS * † Lancaster, Pennsylvania
Dixon, Harry Louis—Botany B.S., 1921	* West Somerville, Massachusetts
Dobson, Ray Robinson—Accountancy 130 hrs. (<i>Univ. of Illinois</i>)	† Milmine
Dodge, Lawrence Egbert—Physical Chemistry B.S. (<i>Illinois Wesleyan Univ.</i>), 1922	* Normal
Dolch, Edward William, Jr.—Education A.B. (<i>Washington Univ.</i>), 1915 A.M. (<i>Univ. of Wisconsin</i>), 1918	SS * † Urbana
Dolley, James Clay, Jr.—Social Science A.B. (<i>McKendree Coll.</i>), 1919	* † Lebanon
Donovan, Raymond Leslie—Agricultural Economics B.S. (<i>Univ. of Minnesota</i>), 1909	* † Urbana
Dorman, Henry Pickett—Chemistry B.S. (<i>Univ. of Georgia</i>), 1922	* † Americus, Georgia
Dorullis, Bertha Marie—German A.B., 1920	* † Lenzburg
Dowell, Ralph Stanley—Economics B.S., 1922	* † Bloomington
Dowell, Ruth Isabel—Botany A.B. (<i>Smith Coll.</i>), 1920	* † Washington, Dist. of Columbia
Doyle, Irene May—Mathematics A.B., 1919	SS * † Clinton
Draffin, Jasper O.—Theoretical and Applied Mechanics B.S. (<i>Univ. of Vermont</i>), 1913 M.S., 1916	* † Urbana
Dreger, Emil Edward—Chemistry B.S. (<i>North Western Coll.</i>), 1920 M.S., 1922	SS * † Chippewa Falls, Wisconsin
Driggs, Frank H.—Chemistry A.B., M.S., 1917, 1920	* † Baldwin, Kansas
Dubey, Jugal Kishore—Chemistry B.S., 1923	† Bhopal, India
DuBois, Granville Chase—Philosophy 127 hrs. (<i>Univ. of Illinois</i>)	† Eldorado
Duff, Arthur M.—Mechanics B.S., 1911	* Versailles, Missouri
Duncan, Herman Oscar—Education B.S., 1922	SS Mt. Vernon

¹Candidate for professional degree in engineering.

Dungan, George Harlan—Agronomy B.S., M.S., 1917, 1921	† Urbana
Duvigneaud, Vincent Reginald—Chemistry 134½ hrs. (<i>Univ. of Illinois</i>)	† Chicago
Dyer, Ethel G—English B.S., 1922	* † White Hall
East, Laurence John—Education B.S. (<i>McKendree Coll.</i>), 1921	SS Springfield
Eastman, Albert Reyner—Reinforced Concrete 141½ hrs. (<i>Univ. of Illinois</i>)	† Rockford
Edwards, Forrest Glenn—Education A.B. (<i>Lombard Coll.</i>), 1907	SS Princeville
Edwards, Gail Phillips—Sanitary Chemistry B.S., M.S., 1918, 1921	SS * † Urbana
Edwards, Lena Frances—Physiological Chemistry B.S. (<i>Howard Univ.</i>), 1921	SS Washington, Dist. of Columbia
Eigenbrodt, Harold John—Experimental Zoology B.A. (<i>North Western Coll.</i>), 1921 M.A., 1922	* † Kenyon, Mississippi
Ekblad, Carl E—Chemistry A.B. (<i>Augustana Coll.</i>), 1921	* Moline
Ekblaw, George Elbert—General Geology A.B., 1922	* † Paxton
Engle, Dorothy Gail—Chemistry B.A. (<i>Univ. of Denver</i>), 1922	* † Denver, Colorado
Epperson, Orlan Hassett—Education B.S., 1922	SS Delafield
Ernest, Nellie Edith—Geography 151¼ hrs. (<i>Univ. of Illinois</i>)	† Urbana
Eveland, Harmon Edwin—Education B.S., 1921	SS * Fisher
Fager, Daniel Baldwin—Education A.B., 1914	SS Urbana
Fager, George Edward—Horticulture B.S., 1918	* † Champaign
Falkenstein, Edward Jesse—Animal Husbandry B.S. (<i>North Dakota Agricultural Coll.</i>), 1920	* † Chicago
Farrand, Ellridge Kitchel—Economics B.S., 1922	* † Griggsville
Fawcett, Max Albert—Electrical Engineering B.S. (<i>Rose Polytechnics Inst.</i>), 1921	* † Terre Haute, Indiana
Feldman, Horace Wenger—Genetics B.S. (<i>Purdue Univ.</i>), 1921 M.S., 1922	SS South Bend, Indiana
Fenton, Elizabeth Lawrence—Education A.B. (<i>Wheaton Coll.</i>), 1914	SS Jamestown, New York
Filut, Frank Felix—Accountancy B.S., 1922	* † Milwaukee, Wisconsin
Fisher, Richard Stoner—Chemistry B.S., 1922	SS * † Champaign
Fiske, David Lewis—Mechanical Engineering B.S. (<i>Massachusetts Inst. of Technology</i>), 1921	* † Exeter, New Hampshire
Flatt, Harrison Obiah—English A.B., 1912	SS Carrollton
Flesh, Orin F—Education F.A.B. (<i>Washington Univ.</i>), 1921	SS Marine
Fogler, Mayor Farthing—Chemistry B.S., M.S., 1920, 1921	SS * † Champaign
Fogler, Ralph Waldo—Chemistry B.S., M.S., 1921, 1922	* † Champaign
Foley, Margaret Ebert—French A.B. (<i>Ohio Wesleyan Univ.</i>), 1919 A.M., 1921	SS * Zanesville, Ohio
Forbes, Clarence Allen—Latin A.B. (<i>Bates Coll.</i>), 1922	* † Colebrook, New Hampshire
Ford, Carlotta Marks—Economics A.B., 1911	* † Geneva
Ford, Jual Raymond—History A.B. (<i>Illinois Wesleyan Univ.</i>), 1922	* † Bondville
Fornoff, Charles Wright—History A.B., 1922	SS * † Pana
Foster, Isaac Owen—Education B.S., M.S., 1921, 1922	SS * † Urbana
Fox, Arthur Lawrence—Organic Chemistry 141½ hrs. (<i>Univ. of Illinois</i>)	* † Glencoe
Frane, Ivan Alan—Chemistry B.S. (<i>Eureka Coll.</i>), 1922	* † Eureka
Franklin, Earl Carlis—Education B.S., 1922	SS Urbana
Freeman, Harriette—Botany B.S. (<i>Fargo Coll.</i>), 1917	* † Fargo, North Dakota
Frison, Theodore Henry—Entomology A.B., A.M., 1918, 1920	* † Champaign
Fritts, Edwin Coulthard—Physics B.S. (<i>Georgetown Coll.</i>), 1917 M.S., 1920	SS * Lexington, Kentucky

- Fryxell, Fritiof Melvin—English
A.B. (*Augustana Coll.*), 1922
- Fuhr, Clara—Botany
B.S., 1921
- Fullenwider, Elizabeth Leah—English
A.B. (*James Millikin Univ.*), 1916
A.M., 1917
- Gallaher, William Urer—Sanitary Chemistry
B.S., M.S. (*Iowa State Univ.*), 1920, 1921
- Gardner, John Hall—Organic Chemistry
B.S. (*Case School of Applied Science*), 1919
M.S. (*Univ. of Michigan*), 1921
- Gast, Walter Ferdinand—Business Organization and Operation
B.S., 1920
- Gates, Cecil Elmer—Animal Husbandry
B.S., 1922
- Gerig, Orie Benjamin—Economics
B.A. (*Goshen Coll.*), 1917
A.M., 1922
- Germundsson, Thorikjaan—Theoretical and Applied Mechanics
B.S. (*Copenhagen Royal Technical Coll.*), 1920
- Giddings, Mate Lewis—Home Economics
A.B., 1917
- Gilkey, Herbert James—Civil Engineering
B.S. (*Oregon Agricultural Coll.*), 1911
B.S. (*Massachusetts Inst. of Technology*), 1916
- Glenn, Sidney Erwin—English
A.B., 1922
- Glick, Harry Newton—Psychology
A.B. (*Bridgewater Coll.*), 1913
A.M. (*Northwestern Univ.*), 1914
- Glick, Perry Aaron—Entomology
A.B., 1921
- Goebel, Walter Friederich—Chemistry
A.B., A.M., 1920, 1921
- Goff, John Alonzo—Mechanical Engineering
B.S., 1921
- Gould, Howard Woodham—Chemistry
B.S. (*McKendree Coll.*), 1918
- Grady, Paul—Accountancy
132 hrs. (*Univ. of Illinois*)
- Grady, Rose Marie—English
A.B. (*Catholic Univ.*), 1920
- Graesser, Roy French—Mathematics
A.B., A.M., 1919, 1922
- Graicunas, Algirdas Andrew—Dairy Husbandry
B.S., 1922
- Graves, George DeWitt—Organic Chemistry
B.S., M.S. (*Washington Univ.*), 1920, 1921
- Gray, Archibald Edmund—Organic Chemistry
B.S. (*Eureka Coll.*), 1922
- Gray, Earl Kenneth—Accountancy
B.S., 1922
- Gray, Giles Wilkeson—English
A.B. (*De Pauw Univ.*), 1914
- Gray, Horace Montgomery—Economics
B.S., 1922
- Gray, Howard William—Accountancy
B.S., 1922
- Green, Bessie Rose—Zoology
A.B., A.M., 1907, 1910
- Green, Norman Boynton—Theoretical and Applied Mechanics
A.B. (*Stanford Univ.*), 1921
- Green, Rose Mary—Chemistry
B.A. (*Rockford Coll.*), 1921
- Gregory, Mary Geneva—English
A.B. (*James Millikin Univ.*), 1920
- Gresemmer, Walter—Mathematics
A.B., A.M., 1918, 1920
- Griffith, Andrus Oliver—Economics
B.S., 1921
- Griffith, Wendell Horace—Chemistry
B.S. (*Greenville Coll.*), 1917
M.S., 1919
- Grosche, Alfred George—Education
B.S., 1919
- Guba, Emil Frederick—Botany
B.S. (*Massachusetts Agricultural Coll.*), 1919
- Guest, Harold Walter—Economics
A.B. (*Albion Coll.*), 1921
- Guiet, Rene Georges—French
A.B., A.M., 1920, 1922
- Hafenrichter, Atlee Lawrence—Botany
A.B. (*Northwestern Coll.*), 1922
- Haldeman, William Strubhar—Organic Chemistry
B.S. (*Univ. of Pennsylvania*), 1914
A.M. (*Harvard Univ.*), 1920
- * † Moline
- * † Warrensburg, Missouri
- * † Mechanicsburg
- SS * † Iowa City, Iowa
- SS * † Champaign
- * † St. Louis, Missouri
- * † Tuscola
- SS * † Smithville, Ohio
- * † Copenhagen, Denmark
- * † Danville
- SS * † Oakland, California
- * † Chicago
- SS * † Urbana
- SS Hamilton, Missouri
- * † Urbana
- SS * † Colorado Springs, Colorado
- SS Bone Gap
- † Marion
- SS * † Philo
- SS * † Champaign
- * Chicago
- SS * † Urbana
- * † Eureka
- * Joliet
- * † Greensburg, Indiana
- SS * † Lerna
- * † Lerna
- * † Champaign
- * † Champaign
- * † Rockford
- * † Decatur
- * † Kokomo, Indiana
- * † Ashton
- SS Evanston
- † Matteson
- * New Bedford, Massachusetts
- SS Otsego, Michigan
- SS * † Urbana
- * † Plainfield
- SS Champaign

Hall, Hugh Fisher—Economics B.S., 1921		* Bement
Hall, Russell Alger—Theoretical and Applied Mechanics B.C.E. (Univ. of Michigan), 1916		* † Champaign
Ham, Chester Raymond—Accountancy B.A. (Univ. of Michigan), 1917	SS	* † Champaign
Ham, Lloyd Blinn—Physics A.B. (Bates Coll.), 1914 A.M., 1920	SS	* † Cedar Grove, Maine
Hamelink, Marinus H—Parasitology A.B. (Hope Coll.), 1922		* † Holland, Michigan
Hamilton, Tom Sherman—Organic Chemistry B.S., M.S., 1917, 1921		* † Urbana
Hanson, Hjalmer Frithjof—History B.A. (St. Olaf Coll.)		* Farmer City
Harding, Leola Glenn—Latin A.B. (Greenville Coll.), 1912	SS	Champaign
Harland, Marion Boyer—Soils B.S., 1920	SS	* † Urbana
Harnly, Joseph W—Education A.B. (Shurtleff Coll.), 1899	SS	Chrisman
Harper, Charles Athiel—History A.B., 1922	SS	* † Urbana
Harris, Herbert Henry—Dairy Husbandry B.S., 1915	SS	Cairo
Harris, Mary Vose—History A.B. (Univ. of Wisconsin), 1918		* † Macomb
Harris, William—Education A.B., 1914	SS	* † Urbana
Harrison, Clyrene—Zoology B.A. (Univ. of Arkansas), 1920		* † Mena, Arkansas
Harsch, John W—Engineering Mechanics B.S., 1920	SS	* Bloomfield, Iowa
Hart, Leola Bess—Chemistry B.A. (Univ. of South Dakota), 1920	SS	Salem, South Dakota
Hartman, Anabel Eugenia—English A.B. (Goucher Coll.), 1908 M.A. (Johns Hopkins Univ.), 1918		* † Baltimore, Maryland
Hartsough, Ralph Clayton—Physics B.S. (Nebraska Wesleyan Univ.), 1913 A.M. (Univ. of Kansas), 1914	SS	University Place, Nebraska
Hatch, Celia Jones—Education B.S. (Knox Coll.), 1915	SS	Griggsville
Hayes, Fred Elmer—American History A.B., A.M. (Univ. of Nebraska), 1908, 1916		* Urbana
Hayes, Robert Carey—History A.B., 1922		* † Urbana
Haylett, David Graaf—Agronomy B.S., 1922		* † Cape Town, South Africa
Heckel, Hermann Conrad—Organic Chemistry B.S., M.S., 1921, 1922		* † Chicago
Hedgecock, John Harrison—Agronomy B.S., 1915		* † Plymouth
Hedges, Bertram Atkinson—Education A.B., 1915	SS	Queen City, Missouri
Hein, Mason August—Soil Fertility B.S., 1917		† Champaign
Helmer, Oscar Marvin—Organic Chemistry B.S. (Oregon Agricultural Coll.), 1922		* † Portland, Oregon
Helms, Elva Allen—Political Science B.S., 1922	SS	* † Champaign
Herrmann, Clarence C—Economics B.S., M.S., 1920, 1922	SS	* † Kenosha, Wisconsin
Hesser, Frank Raymond—Accountancy B.S., 1922		* † Urbana
Hewes, Edwin Butcher—History A.B., 1921	SS	Barbourville, Kentucky
Hibben, James Herbert—Chemistry B.S., M.S., 1920, 1922	SS	Urbana
Hiers, Glen Sefton—Organic Chemistry B.S. (Miami Univ.), 1919 M.A. (Northwestern Univ.), 1921	SS	Anderson, Indiana
Higginson, Glenn Cvere—Psychology B.S., 1921	SS	* † Urbana
Hill, Dorothy Huntington—English A.B., 1922		* † Metuchen, New Jersey
Hill, James Edward—Education B.S., 1916	SS	* † Mattoon
Hill, Robert McClaughey—Chemistry B.S. (Carthage Coll.), 1915 M.S., 1921	SS	* † Carthage
Himrod, Tracy Woodward—Accountancy B.S., 1923		† Waterford, Pennsylvania
Hindle, John Russell—Dairy Husbandry B.S., 1923		† Peoria

- Ho, Pao Jin—Political Science
A.B. (*Univ. of Washington*), 1921
A.M., 1922
- Hobart, Floyd Beatty—Chemistry
B.S., M.S., 1920, 1921
- Hobgood, Guy—Agronomy
B.S. (*Oregon Agricultural Coll.*), 1915
- Hoefer, Elmer George—Mechanical Engineering
B.S., M.E. (*Univ. of Wisconsin*), 1905, 1915
- Holladay, James—Economics
B.S. (*Georgetown Coll.*), 1915
- Holton, William Bultman—Chemistry
B.S., 1921
- Honey, Edwin Earl—Botany
B.S. (*Cornell Univ.*), 1916
M.S., 1922
- Hoover, Borden Parker—Mathematics
A.B. (*Baker Univ.*), 1918
A.M. (*Univ. of Colorado*), 1922
- Hoover, David Henry—Sociology
B.A., M.A. (*Bridgewater Coll.*), 1913, 1914
M.S. (*Vanderbilt Univ.*), 1916
D.B., Th.D. (*Southern Baptist Theological Sem.*), 1918, 1920
- Hopkins, Charles—Mathematics
A.B. (*Brown Univ.*), 1922
- Hopkins, Helen Miller—Education
133 hours (*Univ. of Illinois*)
- Hosford, Hemphill—Mathematics
A.B. (*Southern Methodist Univ.*), 1919
- Hostetler, Oliver Clinton—Education
B.S., 1921
- Hovorka, Frank—Chemistry
B.A. (*Iowa State Teachers' Coll.*), 1922
- Howell, Francis McMurtrie—Engineering Mechanics
B.S., C.E. (*Northwestern Univ.*), 1917, 1918
- Howk, Charles Dean—Education
A.B., 1915
- Hrdlicka, Clement Louis—Latin
A.B. (*St. Procopius Coll.*), 1918
M.A., 1922
- Hsueh, Pei Yuen—Organic Chemistry
B.S. (*Chinese Teachers' Coll.*), 1915
- Hubbard, Franklin Edgar—Physics
A.B. (*Clark Univ.*), 1921
- Huber, Clyde Mortimer—Mathematics
A.B. (*Pennsylvania State Coll.*), 1922
- Huber, Louis William—Mining Engineering
B.S., 1921
- Huelsen, Walter August—Botany
B.S. (*Cornell Univ.*), 1917
- Hunt, Frank Raymond—History
A.B. (*Muskingum Coll.*), 1922
- Hunter, Howard Alexander—Education
B.S. (*Monmouth Coll.*), 1920
- Huntington, Harold Allen—Education
B.S., 1922
- Hurd, Mason Montraville—Economics
B.S. (*Pennsylvania Coll.*), 1921
- Hurst, John Wildeboon—Mathematics
B.S. (*Univ. of Missouri*), 1920
A.M., 1922
- Hyatt, Joseph Lewis—Zoology
B.Ed. (*Illinois State Normal Univ.*), 1921
- Hyde, Arthur M.—History
B.A., M.A. (*Yale Univ.*), 1889, 1894
- Hyde, Elizabeth Charlotte—Physiological Chemistry
B.A. (*Mount Holyoke Coll.*), 1909
M.S., 1922
- Iben, Richard, Jr.—Civil Engineering
152 hrs. (*Univ. of Illinois*)
- Icenogle, William—Education
A.B. (*Eureka Coll.*), 1921
- Iftner, George Henry—Agronomy
B.S., 1922
- Illyes, Clifford Raymond—Education
B.S., 1921
- Inglar, Francis Marion—Education
A.B., A.M. (*Indiana Univ.*), 1903, 1906
- Jackson, Richard Willet—Chemistry
B.S. (*Eureka Coll.*), 1921
- Jacobsen, Eda Augusta—Business Organization and Management
A.B., 1908
M.A. (*Columbia Univ.*), 1918
- Jacobson, Ralph Albert—Organic Chemistry
Ph.G. (*Creighton Univ.*), 1916
B.S., M.A. (*Univ. of Nebraska*), 1918, 1922
- SS * † *Singapore, China*
- * † *Urbana*
- SS * † *Urbana*
- SS *Freeport*
- * † *Columbia, Kentucky*
- * † *Olmstead Falls, Ohio*
- SS *Chicago*
- * † *Denver, Colorado*
- † *Browning*
- * † *Champaign*
- SS * † *Urbana*
- * † *Urbana*
- SS * † *Farmer City*
- * † *Cedar Falls, Iowa*
- * † *Evanston*
- SS *Assumption*
- * † *Colon, Nebraska*
- * *Lin Cheng City, China*
- * † *Jefferson, Massachusetts*
- * † *Mount Union, Pennsylvania*
- * *Urbana*
- * † *Urbana*
- * † *Gilmore, Ohio*
- SS *Beaver Falls, Pennsylvania*
- SS *Urbana*
- SS * † *Williamsport, Maryland*
- SS * † *Urbana*
- * † *Urbana*
- * † *Urbana*
- * † *Malone, New York*
- † *Peoria*
- SS *Monmouth*
- * † *Pittsfield*
- SS *Atlanta, Indiana*
- SS *Appleton, Wisconsin*
- SS * † *Eureka*
- * † *Urbana*
- * † *Omaha, Nebraska*

Jasper, Thomas McLean—Theoretical and Applied Mechanics B.S., M.S., 1911	SS *	Cornwall, England
Jenkins, Russell L.—Chemistry B.S. (<i>Univ. of Pittsburgh</i>), 1920 M.S., 1921	SS * †	Richmond, Indiana
Jensen, William Jacob—Physics A.B. (<i>Carleton Coll.</i>), 1920	SS * †	Urbana
Johns, Harold Byron—Chemistry B.S., 1922	* †	Oak Park
Johnson, Florence Ida—English A.B., 1922	*	Chicago
Johnson, Maynard Stickney—Zoology A.B. (<i>Bates Coll.</i>), 1921	* †	Brownsville, Maine
Johnson, Ruth Amanda—English Ph.B. (<i>Shurtleff Coll.</i>), 1921	* †	Momence
Johnston, Francis Edgar—Mathematics A.B. (<i>Washington Univ.</i>), 1921	* †	Washington, Dist. of Columbia
Johnston, Mrs. Nell Bonar—Education A.B. (<i>Converse Coll.</i>), 1899	* †	Urbana
Jones, Carl Delmar—Farm Organization and Management B.S., 1922	* †	Midland City
Jones, Hazel Fern—History A.B. (<i>Carthage Coll.</i>), 1922	* †	Bentley
Jones, Helen Louise—Latin A.B. (<i>Illinois Coll.</i>), 1922	* †	Salem
Jones, Ralph Coughenour—Economics B.S., 1922	SS * †	Urbana
Jones, Valentine Austin—Inorganic Chemistry B.S., M.S., 1921, 1922	* †	Buffalo, New York
Joseph, Glenn Howe—Chemistry B.S., 1922	SS * †	Champaign
Junkin, Della Darle—Chemistry A.B. (<i>Univ. of Michigan</i>), 1912 M.S., 1921	* †	Great Falls, Montana
Kallas, James George—Chemistry B.S., 1922	* †	Chicago
Kammlade, William Garfield—Animal Husbandry B.S. (<i>Univ. of Wisconsin</i>), 1915 M.S., 1917	†	Urbana
Karrenbrock, Wilbert Eugene—Business Organization and Operation A.B. (<i>Central Wesleyan Coll.</i>), 1921	†	New Melle, Missouri
Kaufmann, Ralph J—Chemistry A.B., A.M. (<i>Oberlin Coll.</i>), 1918, 1919	SS * †	Urbana
Kaufmann, Wilford Edward—Organic Chemistry A.B., A.M. (<i>Oberlin Coll.</i>), 1918, 1919	SS * †	Urbana
Keelor, Logan E—Organic Chemistry B.S. (<i>Earlham Coll.</i>), 1922	SS * †	Richmond, Indiana
Keith, Mary Helen—Animal Nutrition B.S. (<i>Mount Holyoke Coll.</i>), 1894 A.M. (<i>Columbia Univ.</i>), 1904	* †	Braintree, Massachusetts
Kelley, Cornelia Pulsifer—English A.B. (<i>Colby Coll.</i>), 1918 A.M. (<i>Radcliffe Coll.</i>), 1920	* †	Waterville, Maine
Kelley, Victor Wendell—Horticulture B.S., 1921	SS * †	Fairfield
Kelso, Ruth—English A.B., A.M., 1908, 1909	*	Los Angeles, California
Kendall, Forrest Everett—Chemistry B.S., 1921	SS * †	Victoria
Kern, John Williams—Organic Chemistry A.B., 1904 A.M. (<i>Syracuse Univ.</i>), 1910	SS * †	Urbana
Ketcham, Earle Hoyt—Political Science Ph.B. (<i>Univ. of Chicago</i>), 1919 M.A. (<i>Univ. of Michigan</i>), 1921	* †	Grand Rapids, Michigan
Ketchum, Pierce Waddell—Ceramic Engineering B.S. (<i>Univ. of Utah</i>), 1922	* †	Bowen
Kettery, Joe—Education A.B. (<i>De Pauw Univ.</i>), 1916	SS	Greenfield, Indiana
Kiang, Shao Yuen—Philosophy Ph.B. (<i>Univ. of Chicago</i>), 1921	*	Peking, China
King, Ameda Ruth—History A.B., 1922	* †	White Hall
King, George Edward—Bacteriology B.S. (<i>Utah Agricultural Coll.</i>), 1918	SS * †	Garland, Utah
King, Henry Royal—Sanitary Engineering B.S. (<i>Univ. of Idaho</i>), 1920	* †	Nampa, Idaho
King, William Robert, Jr.—Chemistry B.S. (<i>Monmouth Coll.</i>), 1920 M.S., 1922	* †	Urbana
Kingsley, Howard L—Psychology A.B. (<i>Adrian Coll.</i>), 1915 A.M. (<i>Univ. of Michigan</i>), 1916	* †	Urbana
Kinsey, Esther Eloise—Romance Languages A.B., 1920	SS	Champaign

Kleinheksel, J Harvey—Organic Chemistry A.B. (<i>Hope Coll.</i>), 1922	* †	Holland, Michigan
Kline, Lawrence Everett—Economics B.S., 1922	* †	Chicago
Knox, Guy Mortimer—French A.B. (<i>Syracuse Univ.</i>), 1907	SS	Washington, Iowa
Knox, John Harvey—Animal Husbandry B.S. (<i>Ohio State Univ.</i>), 1921	* †	Painesville, Ohio
Knudsen, Charles William—Education B.S., 1913	SS	New Berlin
Koch, Elmer Cornelius—Economics B.S., 1922	* †	Allon
Koten, Irvin Alvin—Organic Chemistry A.B. (<i>Northwestern Coll.</i>), 1920 M.S., 1921	* †	Clintonville, Wisconsin
Kressin, Hugo Max—French B.A. (<i>Washington Coll.</i>), 1918 M.A. (<i>Vanderbilt Univ.</i>), 1919	SS	* † Limestone, Tennessee
Kretchmer, Clarence Martin—Business Organization and Operation B.S., 1922	* †	Chicago
Krieg, Amelia—Romance Languages A.B., B.L.S., 1917, 1920	SS	* Riverside
Krueger, Paul Frederick—Agronomy 130½ hrs. (<i>Univ. of Illinois</i>)		† Chicago
Krumsiek, Walter Wesley—Education A.B. (<i>Central Wesleyan Coll.</i>), 1913	SS	Granite City
Ladd, Ona Mabel—Spanish A.B., A.M. (<i>Middlebury Coll.</i>), 1921, 1922	*	Randolph, Vermont
Lahman, Helen May—Economics B.A. (<i>Northwestern Univ.</i>), 1921	*	Franklin Grove
Laible, Russell James—Animal Husbandry B.S., 1920	* †	Freeport
Laity, Harry Almon—Economics A.B. (<i>Albion Coll.</i>), 1922	*	Lansing, Michigan
Lamb, John Warden, Jr.—Agronomy B.S., 1918	* †	Newton
Landis, Paul Nissley—English A.B., A.M. (<i>Franklin and Marshall Coll.</i>), 1913, 1915	* †	Womelsdorf, Pennsylvania
Lang, Alvin Leonard—Agronomy B.S., 1920		† Springfield
Landon, Charles Earl—Economics A.B., M.A. (<i>Kansas Univ.</i>), 1920, 1921	* †	Mayetta, Kansas
Langdon, Ida—Chemistry A.B. (<i>Smith Coll.</i>), 1922	* †	Omaha, Nebraska
Langford, Ernest—Architectural Engineering B.S. (<i>Texas Agricultural and Mechanical Coll.</i>), 1913	* †	Champaign
Lawrence, Helen A—Business Organization and Operation 131 hours (<i>Univ. of Illinois</i>)	* †	Chicago
Lawson, Burtis Carl—Crop Production B.S., 1921	* †	Springfield
Lawson, Vena Frances—English B.Ed. (<i>Illinois State Normal Univ.</i>), 1917	SS	Decatur
Leer, Wayne Everett—Agronomy B.S.A. (<i>Purdue Univ.</i>), 1919	* †	Fairmount, Indiana
Leichsenring, Jane Marie—Physiology B.S., M.S., 1919, 1921	SS	* † Winnetka
Leigh, William Mu Yao—Chemistry B.S. (<i>Pei Yang Univ.</i>), 1919	* †	Kiangsi, China
Leisy, Ernest Erwin—English Literature A.B. (<i>Univ. of Kansas</i>), 1913 A.M. (<i>Univ. of Chicago</i>), 1917	* †	Newton, Kansas
Le Marr, Paul Earl—History B.Ed. (<i>Illinois State Normal Univ.</i>), 1918	SS	Carlinville
Leonard, Veda Fern—Zoology A.B., A.M., 1919, 1921	* †	Rantoul
Leurig, Paul Murray—English A.B. (<i>Illinois Coll.</i>), 1918	SS	Jacksonville
Levine, Israel—Chemistry B.S. (<i>Univ. of Chicago</i>), 1922	* †	Chicago
Lewis, George Truman—Chemistry B.S. (<i>Middlebury Coll.</i>), 1922	* †	Crown Point, New York
Li, Kuan Chung—Economics B.S. (<i>Peking National Univ.</i>), 1919	* †	Peking, China
Li, Sheo Hen—Chemistry B.S., 1922	* †	Kiangsu, China
Libman, Earl Emanuel—Chemistry B.S., M.S., Ph.D., 1916, 1920, 1922	SS	Urbana
Liebke, Carl Christ—Chemistry A.B. (<i>Carthage Coll.</i>), 1921	SS	Muscatine, Iowa
Ling, Shu Mong—Economics B.S., 1922	* †	Hunan, China
Linsley, Clyde Maurice—Soils B.S., 1916	* †	Fairfield
Little, Edward Milton—Physics B.S., M.S. (<i>Univ. of Washington</i>), 1918, 1922	* †	Seattle, Washington
Littmann, Edward Robert—Chemistry B.S., 1922	* †	Champaign

Lochte, Harry Louis—Chemistry A.B. (<i>Univ. of Texas</i>), 1918 A.M., Ph.D., 1921, 1922	SS	Fredericksburg, Texas
Locklin, David Philip—Economics A.B. (<i>Middlebury Coll.</i>), 1920 A.M. (<i>Harvard Univ.</i>), 1922	* †	Richford, Vermont
Long, Harvey Lawrence—Education A.B., 1922	SS	Mt. Morris
Longi, Olga Pauline—French B.S. (<i>Univ. of Bordeaux</i>), 1918 B.A. (<i>Beloit Coll.</i>), 1920 A.M. (<i>Univ. of Minnesota</i>), 1921	*	Urbana
Lorance, George Toel—Physics B.S. (<i>Drake Univ.</i>), 1921	* †	Des Moines, Iowa
Lougee, Dora Aileen—Latin A.B. (<i>Bates Coll.</i>), 1917 A.M., 1921	* †	Lewiston, Maine
Lougee, Flora Marion—Inorganic Chemistry A.B. (<i>Bates Coll.</i>), 1914 A.M., 1921	* †	Lewiston, Maine
Loveless, Alexander Watt Thomson—Chemistry B.S., 1922	* †	Urbana
Lowe, Clarence George—Greek A.B. (<i>Franklin Coll.</i>), 1919 A.M., 1921	* †	Columbus, Indiana
Luhnow, Lester A—Animal Husbandry 128 hours (<i>Univ. of Illinois</i>)	* †	Oak Park
Lungren, Frederick Gunard—Mechanical Engineering B.S., 1915	* †	Detroit, Michigan
Lynch, Helen Charlotte—Economics B.S., 1921	* †	Mattoon
Lytle, Merwyn Q—Business Organization and Operation B.S., 1921	* †	Quincy
McAnally, Marian Pace—English A.B., 1920	* †	Mt. Vernon
McAnlis, Chauncey Ruthven—Civil Engineering B.S., C.E. (<i>Pennsylvania State Coll.</i>), 1910, 1915	* †	Urbana
McCammon, Martha—English A.B., 1918	* †	Lebanon
McClurg, Lola DeWitt—Education A.B., 1910	SS	Urbana
McColm, Eugene M—Chemistry B.S., 1922	SS	* † Pontiac
McConagha, William Albert—Economics B.S. (<i>Muskingum Coll.</i>), 1917 A.M., 1922	* †	New Concord, Ohio
McConkie, James Edwin—Chemistry B.S. (<i>Illinois Wesleyan Univ.</i>), 1922	* †	Bloomington
McCoy, Edwin Earl—Education B.S. (<i>Monmouth Coll.</i>), 1920	SS	Monmouth
McCrea, Forrest Draper—Bacteriology A.B. (<i>Purdue Univ.</i>), 1918	* †	Attica, Indiana
McCusker, Ruth—English A.B. (<i>Eureka Coll.</i>), 1921	SS	Mattoon
McDonald, Earl George—Economics B.S., 1923		† Chicago
McElvain, Samuel M—Organic Chemistry B.S. (<i>Washington Univ.</i>), 1920 M.S., 1921	SS	* † St. Louis, Missouri
McGinnis, Charles Allen—Education B.Ed. (<i>Southern Illinois State Normal Univ.</i>), 1919	SS	Reevesville
McHarry, Liesette—Education A.B., 1912	* †	Champaign
McIntyre, Robson Duncan—Business Organization and Operation B.S., 1921	SS	* † Wilmington
McKeever, Harold James—Civil Engineering B.S. (<i>Univ. of Kansas</i>), 1919	* †	Lawrence, Kansas
McLarty, Alfred Dewey—Political Science A.B., 1922	SS	* † Harvey
McMillan, John Charles—Education A.B. (<i>Monmouth Coll.</i>), 1912	SS	Aledo
McMinn, Helen Atkinson—English Ph.B. (<i>Univ. of Chicago</i>), 1919	* †	Hammond, Indiana
McMinn, Ney Lannes—English Ph.B. (<i>Westminster Coll.</i>), 1920	* †	Chicora, Pennsylvania
McMullan, Wilbur Neil—Economics A.B. (<i>De Pauw Univ.</i>), 1921	SS	* † Urbana
McNeely, John Knox—Electrical Engineering B.S. (<i>Univ. of California</i>), 1908	* †	Urbana
McQuiston, William Carlton—Botany B.S., M.S. (<i>Ohio State Univ.</i>), 1914, 1915	* †	Wilmington, Ohio
Machin, James Stewart—Chemistry A.B. (<i>Westminster Coll.</i>), 1921 M.S., 1922	SS	Bluffton, Missouri

¹Candidate for professional degree in engineering.

Mackey, Arthur K—Animal Husbandry B.S. (<i>Purdue Univ.</i>), 1921	SS * † Logansport, Indiana
Mandeville, Merten Joseph—Business Organization and Operation B.S., 1921	SS Terre Haute, Indiana
Manter, Harold Winfred—Zoology A.B. (<i>Bates Coll.</i>), 1922	* † Anson, Maine
Mapes, Lester Ryan—Chemistry B.S. (<i>Carthage Coll.</i>), 1916	SS Ferris
Marple, Raymond Parker—Accountancy B.S. (<i>Iowa State Univ.</i>), 1922	* † Pomeroy, Iowa
Martin, Earl Webb—Mathematics B.S., M.S., 1917, 1922	SS * † Urbana
Martin, John Campbell—Organic Chemistry B.S. (<i>Tarkio Coll.</i>), 1922	* † Chalmers, Indiana
Mathews, Claude Kelsey—Civil Engineering B.S. (<i>Univ. of Kansas</i>), 1919	* † Kansas City, Missouri
Matsuno, Masashi Alfred—Railway Civil Engineering 142 hrs. (<i>Univ. of Illinois</i>)	† Miyagiken, Japan
Mattoon, Edwin Whitaker—Education A.B., 1915	SS Urbana
Maugh, Lawrence Carnahan—Civil Engineering B.S. (<i>Univ. of Michigan</i>), 1921	SS Milford, Michigan
Maxey, James Roy—Education A.B. (<i>McKendree Coll.</i>), 1916	† Shattuc
Mayhew, Roy Lewis—Zoology B.S. (<i>Iowa Wesleyan Coll.</i>), 1914	SS * † Urbana
M.A. (<i>James Millikin Univ.</i>), 1917	
Maynard, Ina Alfreda—Mathematics A.B. (<i>Greenville Coll.</i>), 1921	SS Greenville
Megchelsen, Florence—Mathematics A.B. (<i>Monmouth Coll.</i>), 1918	SS Keokuk, Iowa
Melton, Presley Warren—Education B.S., 1923	† Champaign
Menaul, Paul Lynn—Physiological Chemistry A.B., A.M. (<i>Univ. of New Mexico</i>), 1915, 1917	SS Albuquerque, New Mexico
Mendoza, Jose Miguel—Botany B.S. (<i>Oregon Agricultural Coll.</i>), 1921	SS * † Binalonan, Philippine Islands
Mensenkamp, Louis Edward—Mathematics A.B., 1916	SS Freeport
Merriam, Cordelia Beatrice—History B.A. (<i>Smith Coll.</i>), 1920	* † Blackinton, Massachusetts
Meyer, Alfred Herman Ludwig—Geology A.B., 1921	* Venedy
Miles, Margaret Leslie—French A.B., 1921	* † La Grange
Miller, Alta Marie—History A.B. (<i>Illinois Woman's Coll.</i>), 1919	SS Nokomis
Miller, Mrs. Elva Pumphrey—Bacteriology A.B., M.S. (<i>Ohio Wesleyan Univ.</i>), 1918, 1919	* † Urbana
Miller, Harry Milton, Jr.—Zoology B.S. (<i>Ohio Wesleyan Univ.</i>), 1917	* † Columbus, Ohio
Mills, Lindley E—Organic Chemistry A.B. (<i>Miami Univ.</i>), 1918	SS * † Urbana
Milton, Charles—Geology B.A. (<i>Univ. of Iowa</i>), 1921	* † Chicago
Mohlman, Harry—Floriculture B.S., 1916	† Urbana
Montgomery, Edna Morley—Chemistry A.B. (<i>Univ. of Montana</i>), 1919	* † Chinook, Montana
Moody, Erva Marie—Latin A.B. (<i>Carthage Coll.</i>), 1920	* † Fillmore
Moore, Benjamin Clay—Education B.E. (<i>Illinois State Normal Univ.</i>), 1923	† Normal
Moore, Edward James—Mechanical Engineering B.S. (<i>Univ. of Washington</i>), 1917	SS Everett, Washington
Moore, Gerald Everett—Mathematics B.S. (<i>Hedding Coll.</i>), 1922	* † Abingdon
Moose, Joe Eugene—Chemistry A.B. (<i>Southern Methodist Univ.</i>), 1917	SS * † Urbana
M.S., 1922	
Morrison, Lethe Eleanora—Bacteriology A.B., M.S., 1919, 1921	SS Waterloo
Morrow, Walter Thomson—Civil Engineering B.S. (<i>Univ. of Colorado</i>), 1918	* † Champaign
Motlier, Charles Helvetius—Civil Engineering B.S., 1910	* † Chicago
Mullins, Edgar Raymond—Education A.B. (<i>Indiana Univ.</i>), 1917	SS Flat Rock
Mundhenke, Herbert Roland—Economics A.B. (<i>Lawrence Coll.</i>), 1922	* † Rockford
Munkwitz, Richard Charles—Economics B.S. (<i>Univ. of Wisconsin</i>), 1922	* † Edgar, Wisconsin

¹Candidate for professional degree in engineering.

Munn, Lottie Ella—Inorganic Chemistry A.B. (<i>Baldwin Wallace Coll.</i>), 1917 M.S., 1922	* † Grafton, Ohio
Myers, Kenneth Hayes—Economics B.S., 1922	* † Champaign
Myers, Lena Josephine—English A.B., A.M., 1913, 1918	* † Quincy
Nauman, Robert Henry—Education A.B. (<i>Northwestern Coll.</i>), 1920	SS Mendota
Navias, Louis—Ceramic Chemistry B.S. (<i>Coll. of the City of New York</i>), 1918 M.S., 1921	SS * Rochester, New York
Nelson, Alfred Clarence—Physical Chemistry B.S., M.A. (<i>Univ. of Denver</i>), 1920, 1921	* † Denver, Colorado
Nelson, Elmer Richard—Education B.S. (<i>Illinois Wesleyan Univ.</i>), 1921	SS Bloomington
Nelson, Norman Edward—English B.A., M.A. (<i>Univ. of Minnesota</i>), 1921	* † Champaign
Nelson, Roy Andrew—Physics B.S. (<i>Knox Coll.</i>), 1916 M.S., 1920	SS * † Urbana
Nelson, Severina Elaine—English A.B., 1918	SS * † Dallas, Texas
Netzeband, William Ferdinand—Geology B.S. (<i>Missouri School of Mines</i>), 1921	* † Champaign
Neumann, Robert Louis—Accountancy B.S., 1923	† Kokomo, Indiana
Nevyas, Jacob—Chemistry A.B. (<i>Swarthmore Coll.</i>), 1919 A.M., 1922	SS West Chester, Pennsylvania
Newton, Frank Wilson—Horticulture B.S., 1922	* † Champaign
Ng, Tak Kei—Chemistry 134½ hrs. (<i>Univ. of Illinois</i>)	† San Francisco, California
Nicholas, A. J.—Mechanical Engineering M.E. (<i>Lehigh Univ.</i>), 1919	* † Eckley, Pennsylvania
Nicholas, Henry Oscar—Chemistry B.A. (<i>Oberlin Coll.</i>), 1919	SS Cleveland, Ohio
Nicholas, John Edward—Mechanical Engineering M.E. (<i>Lehigh Univ.</i>), 1919	* † Eckley, Pennsylvania
Nills, Helen Thompson—Sociology A.B. (<i>Miami Univ.</i>), 1919	† Urbana
Nobles, Clarence Redden—Animal Husbandry B.S., 1923	† Champaign
Nolan, Aretas Wilbur—Education A.B. (<i>Indiana Univ.</i>), 1905 M.S. (<i>Univ. of West Virginia</i>), 1911	SS * † Urbana
Noller, Carl Robert—Chemistry B.S. (<i>Washington Univ.</i>), 1922	SS St. Louis, Missouri
Nordlie, Leonard Truman—Economics A.B. (<i>Concordia Coll.</i>), 1917	SS * † Deerfield, Wisconsin
Norman, Helen Grant—Education A.B., 1921	SS Champaign
North, Edward Oscar—Chemistry B.S. (<i>Beloit Coll.</i>), 1918 M.S., 1922	* † Rockford
Norton, Bernard—History A.B. (<i>Univ. of London</i>), 1921	SS Cardiff, Wales
Nothenberg, Esther Mercedes—Zoology 126 hrs. (<i>Univ. of Illinois</i>)	† Chicago
Nye, Lloyd M.—English A.B. (<i>James Millikin Univ.</i>), 1921	* † Farmer City
Obenshain, Ivan Jennings—American History B.A. (<i>Hedding Coll.</i>), 1921 M.A., 1922	SS Galva
O'Donnell, Thomas Edward—Architectural History B.S., 1913	* † Urbana
Oesterling, Henry Carl—English A.B. (<i>Westminster Coll.</i>), 1915	* † Butler, Pennsylvania
Ogden, Katherine—Organic Chemistry A.B. (<i>Vassar Coll.</i>), 1918	* † Ithaca, New York
Ogg, Frank Chappell—Mathematics A.B. (<i>Univ. of New Mexico</i>), 1922	* † Dodge City, Kansas
Orians, George Harrison—English A.B. (<i>North Western Coll.</i>), 1922	* † Marion, Ohio
Orians, Howard Lester—History A.B. (<i>North Western Coll.</i>), 1922	* Marion, Ohio
Orr, Clarence—Education A.B., 1914	* Villa Grove
Osgood, William Ruprecht—Theoretical and Applied A.B. (<i>Harvard Coll.</i>), 1917 S.E. (<i>Massachusetts Inst. of Technology</i>), 1919	SS * † Urbana
Oyler, Joseph Bidwell—Horticulture B.S.A. (<i>Purdue Univ.</i>), 1920	* † Thorntown, Indiana
Page, George Vernon—Physics B.S. (<i>Univ. of Kentucky</i>), 1917	† Bowling Green, Kentucky

Palfrey, John Robert—Dairy Husbandry B.S., 1917	* † Urbana
Park, Mary Melissa—Mathematics B.A. (<i>Wheaton Coll.</i>), 1920 M.A., 1922	SS Wheaton
Parkerson, William—Physics B.A. (<i>Tulane Univ.</i>), 1919 M.S., 1922	SS * New Orleans, Louisiana
Parks, Earl Erwin—Chemistry B.A. (<i>Oberlin Coll.</i>), 1918	SS Clyde, Ohio
Patterson, Joseph Julian—Architecture B.S., 1917	* † Stillwater, Oklahoma
Patton, Audley Everett—Economics B.S., M.S., 1921, 1922	* † Colorado Springs, Colorado
Peet, Charles Heman—Organic Chemistry A.B. (<i>Hope Coll.</i>), 1914 M.S., 1921	SS * Champaign
Pei, Ching Pong—Railway Engineering B.S. (<i>Tangshon Engineering Coll.</i>), 1921	* † Soochow, China
Perkins, Edward Everett, Jr.—Electrical Engineering B.S. (<i>Johns Hopkins Univ.</i>), 1917	* † Springfield, Maryland
Perrott, Richard Henry—Education A.B., 1916	† Mahomet
Philbrick, Mrs. Edith Hoppe—German Ph.B. (<i>Univ. of Chicago</i>), 1914	† Urbana
Pierce, John Stanton—Organic Chemistry B.S. (<i>Georgetown Coll.</i>), 1920 M.S., 1921	SS Callettsburg, Kentucky
Pierce, Mary Alice—French A.B. (<i>Illinois Coll.</i>), 1922	* † Jacksonville
Pierce, Maurice J—Accountancy B.S., 1921	† Champaign
Piercy, Josephine Ketcham—English A.B., A.M. (<i>Indiana Univ.</i>), 1918, 1919 A.M. (<i>Columbia Univ.</i>), 1922	* † Bloomington, Indiana
Pierson, Oriana Pauline—French A.B. (<i>Transylvania Coll.</i>), 1914 A.M. (<i>Univ. of Chicago</i>), 1922	* † Lexington, Kentucky
Pleasants, Annie Lewis—Botany B.A. (<i>Maryville Coll.</i>), 1917	SS * † Burlington, North Carolina
Plunkett, Ords Allen—Botany A.B. (<i>Wabash Coll.</i>), 1920 A.M., 1922	* † Crawfordsville, Indiana
Porter, Charley Lyman—Botany A.B., A.M., 1913, 1921	* † Urbana
Porter, Henry Van Arsdale—Education B.Ed. (<i>Illinois State Normal Univ.</i>), 1918	SS Peoria
Porter, Philip Kelsey—Organic Chemistry A.B. (<i>Grinnell Coll.</i>), 1918 A.M., 1921	SS * † Urbana
Powell, Weldon—Accountancy B.S., 1922	SS * † Champaign
Prather, Charles Lee—History B.Ed. (<i>Eastern Illinois State Teachers' Coll.</i>), 1921	* † Charleston
Prather, Orra—English A.B. (<i>Southwestern Coll.</i>), 1917 A.M. (<i>Univ. of Kansas</i>), 1918	* † Winfield, Kansas
Price, Edward Pugh—Electrical Engineering B.S. (<i>Univ. of Texas</i>), 1921	SS * † Urbana
Prout, Emma Rice—Zoology A.B. (<i>Wells Coll.</i>), 1920	* † Rensselaersville, New York
Rand, Helen Margaret—English A.B. (<i>Colorado Coll.</i>), 1913 A.M. (<i>Radcliffe Coll.</i>), 1918	* † Urbana
Rassweiler, Clifford Fred—Chemistry A.B. (<i>Univ. of Denver</i>), 1920 A.M., 1922	* † Urbana
Rauchenstein, Emil—Economics B.S. (<i>Univ. of Wisconsin</i>), 1911	SS * Urbana
Rawlings, William—Education A.B. (<i>McKendree Coll.</i>), 1920	* † Murphysboro
Reed, Alvin Josiah—Dairy Husbandry B.S. (<i>Kansas State Agricultural Coll.</i>), 1910	† Raleigh, North Carolina
Reed, Cordeba—French A.B., A.M., 1918, 1919	* † Covington, Indiana
Reed, Marion Capps—Organic Chemistry B.S. (<i>Kansas State Agricultural Coll.</i>), 1921 M.S. (<i>Ohio State Univ.</i>), 1922	† Plum Valley, Colorado
Reed, Robert Tevis—Organic Chemistry B.S., 1922	* † Indianapolis, Indiana
Reid, Dwight Logan—Education B.A., M.S. (<i>Univ. of Wisconsin</i>), 1915, 1918	SS Urbana
Reinsch, Bernhard Paul—Mathematics A.B., B.S., M.S., 1918, 1920, 1921	* † Urbana

*Candidate for professional degree in engineering.

Rennebaum, Ernest Henry—Chemistry A.B., 1921	SS	Franklinville, New Jersey
Renner, Theresa Marie—Mathematics B.S. (<i>Blackburn Coll.</i>), 1915	* †	Carlinville
Richmond, Thomas Everett—Agronomy A.B., M.S. (<i>Ohio State Univ.</i>), 1913, 1914	*	Urbana
Riley, Lila Stevenson—Latin A.B. (<i>Cornell Univ.</i>), 1916	* †	Brooklyn, New York
Ringland, Mrs. Anna Edith Day—Classics A.B. (<i>Illinois Coll.</i>), 1907 A.M., 1908	* †	Urbana
Robey, Lewis Cleon—Education A.B. (<i>Wabash Coll.</i>), 1903	SS	Fruitdale, Alabama
Robinson, Anna Belle—Education A.B., 1912	SS * †	Granville
Robson, William Henry—Economics B.S. (<i>Knox Coll.</i>), 1922	*	Wataga
Rodewald, Charles William—Organic Chemistry B.S., M.S., 1920, 1921	SS * †	Rushville
Rose, Charles Imse—Ceramics B.S., 1922	* †	St. Louis, Missouri
Rosecrans, Crandall Zachariah—Mechanical Engineering B.S., M.S., 1919, 1921	* †	Champaign
Ross, Harry Albert—Economics B.S., M.S., 1917, 1922	SS * †	Urbana
Roth, Walter John—Economics B.S. (<i>Colorado Agricultural Coll.</i>), 1916 B.S., M.S., 1920, 1922	*	Urbana
Rottger, Russel Curtis—Economics A.B., 1913	* †	Danville
Rowatt, Paul—Accountancy B.S., C.P.A., 1922	* †	Cartersville
Roy, Sarat Kumar—Geology A.B., 1922	* †	Bengal, India
Rumsey, Mary Hilliard—History A.B., 1916	SS	Muscatine, Iowa
Rutledge, Mildred Virginia—English Ph.B. (<i>Shurtleff Coll.</i>), 1915	SS	Alton
Ryan, Ruth Winifred—Botany A.B. (<i>Saint Clara Coll.</i>), 1921	* †	Appleton, Wisconsin
Safford, Mary Katharine—History A.B., 1922	* †	Monmouth
Sanders, William Howard—Physics A.B., A.M., 1920, 1922	SS * †	La Crosse, Wisconsin
Sanmann, Frank Paul—Dairy Husbandry B.S., 1921	SS * †	Havana
Sargent, Rachel Louisa—Latin A.B. (<i>Bates Coll.</i>), 1914 A.M., 1917	SS * †	Exeter, New Hampshire
Sayre, Charles Bovett—Horticulture B.S., 1913	* †	Norfolk, Nebraska
Schapiro, Koppel—Civil Engineering B.S. (<i>Univ. of Texas</i>), 1921	* †	San Antonio, Texas
Schlatter, Charles F—Accountancy B.S. (<i>South Dakota State Coll.</i>), 1916	* †	Urbana
Schmidt, Clarence Carl—Physics A.B. (<i>Cornell Coll.</i>), 1917 A.M., 1921	* †	Urbana
Schmeltzer, Chauncey Brockway—Civil Engineering B.S., M.S., 1919, 1920	* †	Champaign
Schneider, Nora Wilhelmine—Physiological Chemistry A.B., 1919	SS *	Urbana
Scholl, Carl A—Animal Husbandry B.S.A. (<i>Univ. of Alberta</i>), 1918	SS * †	Chicago
Schrider, George Webber—Animal Husbandry B.S. (<i>Ohio State Univ.</i>), 1921	* †	Bryan, Ohio
Schuenebman, Ernest Martin—Education B.A. (<i>Central Wesleyan Univ.</i>), 1917	SS	Moberly, Missouri
Schuler, Don Buel—Architecture A.B. (<i>Fairmount Coll.</i>), 1911 B.S., 1916	* †	Wichita, Kansas
Scott, Bobbie Beatrix—Chemistry A.B. (<i>Oberlin Coll.</i>), 1920	SS	Alton
Scott, Robert Ashmore—Agronomy B.S., 1922	* †	Paris
Scott, Shirley Edward—Education A.B. (<i>Indiana Univ.</i>), 1916	SS	Anderson, Indiana
Sears, Ogle Hesse—Agronomy B.S., 1914 M.S. (<i>Purdue Univ.</i>), 1917	*	Champaign
Secord, Arthur Wellesley—English A.B. (<i>Greeneville Coll.</i>), 1916 A.M., 1920	* †	Urbana
Seddon, Hazel Algretta—Chemistry A.B. (<i>Drury Coll.</i>), 1917	SS	Springfield, Missouri

¹Candidate for professional degree in engineering.

- Seehausen, Paul—Education
B.S., 1920
- Sellers, Elmer Ottis—Chemistry
B.S. (*Illinois Coll.*), 1922
- Sells, Anthony Joseph—Chemistry
B.S., M.S. (*Univ. of Washington*), 1920, 1922
- Sergeant, Amy Gertrude—English
A.B. (*Univ. of Michigan*), 1918
- Seright, Mary—History
A.B., 1922
- Settle, Ida Lane—Mathematics
A.B. (*Monmouth Coll.*), 1922
- Sexton, Meta Maria—English Literature
A.B., A.M. (*Oberlin Coll.*), 1920, 1921
- Seymour, Bliss—English
A.B., 1921
- Shade, Cloide Claude—Horticulture
B.S., 1920
- Shand, Edwin William—Chemistry
142 hrs. (*Univ. of Illinois*)
- Shaw, Ernest Ray—Economics
A.B. (*Cornell Univ.*), 1922
- Shedd, Thomas Clark—Civil Engineering
B.S. (*Brown Univ.*), 1913
- Shefford, Ernest James—Economics
A.B. (*Colorado Coll.*), 1922
- Shelton, Edgar Greer—Architectural Engineering
B.S. (*Univ. of Texas*), 1921
- Shirley, Ruth—French
A.B., 1922
- Shive, Roy Allen—Chemistry
B.S. (*Pennsylvania State Coll.*), 1921
M.S., 1922
- Shriner, Ralph Lloyd—Chemistry
B.S. (*Washington Univ.*), 1921
- Sieferman, Arthur—Economics
A.B. (*Miami Univ.*), 1922
- Sillars, Alexander Graham—Education
A.B. (*Lake Forest Coll.*), 1918
- Sinclair, Robert Basil—English
A.B. (*Indiana Univ.*), 1922
- Smith, Cloyde M.—Geology
B.S., 1920
- Smith, Jesse Irwin—Sanitary Chemistry
A.B. (*James Millikin Univ.*), 1921
- Smith, John Aaron—Education
B.Ed. (*Illinois State Normal Univ.*), 1916
- Smith, Kenneth Orville—Physics
B.A. (*Cornell Coll.*), 1921
- Smithson, Frederick Charles Maxted—Organic Chemistry
A.B., M.S. (*Illinois Wesleyan Univ.*), 1915, 1916.
- Sollenberger, Judith Katrina—English
A.B. (*De Pauw Univ.*), 1922
- Sorrell, Vernon Guy—Sociology
A.B. (*Iowa State Univ.*), 1922
- Souders, Lloyd Bonham—Education
B.S. (*Kansas State Agricultural Coll.*), 1919
- Sowers, Herbert Taggart—Psychology
A.B., 1922
- Spencer, Mrs. Blanche Beebe—Education
A.B., 1919
- Spencer, Victor Edwin—Chemistry
B.S., 1915
- Sperry, Warren Myron—Chemistry
B.S. (*Cornell Univ.*), 1921
- Spilver, George Searles—Chemistry
B.S., 1922
- Stahl, Matthew George—Botany
B.S. (*Univ. of South Africa*), 1919
M.S. (*Kansas State Agricultural Coll.*), 1921
- Stark, Orton Kirk—Botany
A.B. (*De Pauw Univ.*), 1922
- Stark, Robert Walt—Agronomy
B.S., 1895
- Stauffer, Russell Scott—Agronomy
B.S. (*Pennsylvania State Coll.*), 1917
- Steggerda, Morris—Zoology
A.B. (*Hope Coll.*), 1922
- Steinert, Hildur Edith—Chemistry
A.B., 1921
- Stevenson, Guy—Mathematics
A.B. (*Georgetown Coll.*), 1921
- Stewart, Otis Grant—Mining Engineering
B.S. (*Univ. of West Virginia*), 1921
- Stewart, William Blair, Jr.—Economics
B.A. (*Reed Coll.*), 1921
- SS * † Urbana
- * † Champaign
- * † Seattle, Washington
- SS * † Battle Creek, Michigan
- SS Chatsworth
- * † Monmouth
- * † Champaign
- * † Hillsboro
- * Montpelier, Indiana
- † Riverside
- * † Wheaton
- † Champaign
- * † Eaton, Colorado
- † Austin, Texas
- * † Paris
- SS * † Urbana
- SS * † St. Louis, Missouri
- * † Harrison, Ohio
- SS Troy Grove
- * † Fort Wayne, Indiana
- * † Champaign
- SS * † Champaign
- SS * † Troy
- * † Morley, Iowa
- * † Urbana
- * † Kokomo, Indiana
- † Glen Elder, Kansas
- SS * † Urbana
- * † Streator
- SS Vandalia
- † Champaign
- SS Coldwater, New York
- SS * Chicago
- SS Middelburg, South Africa
- * † Cromwell, Indiana
- * † Urbana
- * † New Bethlehem, Pennsylvania
- SS * † Holland, Michigan
- * † Chicago Heights
- * † Columbia, Kentucky
- SS * † East Clarksburg, West Virginia
- SS Portland, Oregon

Stiritz, Benjamin Andrew—Dairy Husbandry B.S., M.S., 1918, 1922	SS * †	Murphysboro
Stoever, Petronilla Gertrude—Education B.S., 1921	SS * †	Raymond
Storer, Walter Henry—French A.B., 1919	SS	Urbana
Storn, Martin William—French A.B. (<i>Wartbury Coll.</i>), 1908 A.M. (<i>Univ. of Washington</i>), 1910 Ph.D., 1914	SS	Seattle, Washington
Stouder, Florence Dell—Chemistry A.B., A.M. (<i>Univ. of Denver</i>), 1919, 1920	* †	Denver, Colorado
Stouffer, Maude May—English B.S. (<i>Illinois Wesleyan Univ.</i>), 1912	* †	Hennepin
Strasser, Joseph Mast—Economics B.S., 1922	SS	Joliet
Strauch, Luella Mary—Chemistry A.B. (<i>Carthage Coll.</i>), 1919	SS	Chadwick
Streitz, Ruth—Education Ph.B., A.M. (<i>Univ. of Chicago</i>), 1921, 1922	†	North Platte, Nebraska
Strickhouser, Sherman Israel—Organic Chemistry B.S. (<i>Pennsylvania State Coll.</i>), 1922	* †	York, Pennsylvania
Sullivan, Ward William—History A.B., A.M., 1911, 1914	SS * †	Thomsonville
Sun, Pen Wen—Sociology A.B. (<i>National Univ. of Peking</i>), 1918	SS	Urbana
Sunderland, Glenn Henderson—Education A.B., 1922	SS	Burlington, Colorado
Sweney, Merle Arthur—English Literature A.B. (<i>Hedding Coll.</i>), 1913 A.M., 1916	SS * †	Champaign
Swigert, Blanche Belle—English A.B., 1918	SS	Urbana
Syford, Constance Miriam—English A.B., A.M. (<i>Univ. of Nebraska</i>), 1909, 1911	*	Lincoln, Nebraska
Taketa, Shiro ¹ —Electrical Engineering B.S., 1915	* †	Tokyo, Japan
Tallyn, William Harold—Chemistry B.S. (<i>Shurtleff Coll.</i>), 1921	†	Benson
Tarpley, Harold Irwin—Electrical Engineering B.S. (<i>Kansas State Agricultural Coll.</i>), 1922	* †	Independence, Missouri
Taylor, Francis Emmett—Mathematics B.S. (<i>Illinois Coll.</i>), 1918	* †	Three Rivers, Michigan
Taylor, John Bradshaw—Physical Chemistry B.S., 1922	* †	Peoria
Taylor, Mildred Ellen—Mathematics A.B. (<i>Oxford Coll.</i>), 1921 A.M., 1922	SS	Virginia
Taylor, Paul Canaday—Accountancy B.S., 1920	SS * †	Champaign
Taylor, Sarah Helen—Mathematics A.B. (<i>Illinois Coll.</i>), 1920 A.M., 1922	* †	Three Rivers, Michigan
Templin, Ernest Hall—French A.B., A.M. (<i>Leland Stanford Univ.</i>), 1920, 1921	* †	Urbana
Tharp, James Burton—French A.B. (<i>Indiana Univ.</i>), 1921	SS * †	Urbana
Thomas, Lyell Jay—Zoology B.S. (<i>Fargo Coll.</i>), 1919 M.S., 1921	SS * †	Urbana
Thomas, Royle Price—Agronomy B.S., 1919	†	Sullivan, Indiana
Thompson, Alfred Paul—Chemistry B.S. (<i>Montana State Coll.</i>), 1915	* †	Urbana
Thompson, Mrs. Beulah Bentley—English A.B., 1918	SS	Clinton
Thompson, Charles Woody—Economics A.B., 1922	* †	Urbana
Thompson, David Hiram—Zoology B.S. (<i>Purdue Univ.</i>), 1919 M.S., 1921	SS * †	Dayton, Indiana
Thompson, Guy Holsinger—Education B.S., 1922	* †	Fayetteville, Pennsylvania
Thompson, Herbert O—Chemistry B.A. (<i>Baker Univ.</i>), 1921	SS	Joplin, Missouri
Thompson, Luther Salom—Bacteriology A.B. (<i>Clark Coll.</i>), 1916	SS * †	Urbana
Thor, Alfred Uhno—Agronomy B.S., 1920	†	Cherry Valley
Thornsburch, Zada Goff—Education A.B., 1918	SS	Urbana
Thurston, Alfred William—Geology B.S., 1922	* †	Champaign
Tillema, John Albert—Political Science A.B. (<i>Hope Coll.</i>), 1914	* †	Morrison

¹Candidate for professional degree in engineering.

Tillman, Frank P—Education A.B. (<i>Univ. of Missouri</i>), 1913 B.S., 1916	SS	<i>Loose Creek, Missouri</i>
Titchener, John Bradford—Greek A.B. (<i>Clark Coll.</i>), 1917 A.M., 1921	* †	<i>Ithaca, New York</i>
Tolman, Robert Gardner—Business Organization and Operation B.S., 1921	* †	<i>Champaign</i>
Tomecko, Cyprian George—Organic Chemistry B.S. (<i>St. Procopius Coll.</i>), 1917 M.A., 1922	* †	<i>Lisle</i>
Townsend, Myron Thomas—Zoology B.S. (<i>Bates Coll.</i>), 1918 M.S., 1921	SS * †	<i>Brownville, Maine</i>
Townsley, Fred Delzell—Physics A.B. (<i>Wabash Coll.</i>), 1911	SS	<i>Idaville, Indiana</i>
Tozier, Roy Becker—Education A.B. (<i>Park Coll.</i>), 1919	* †	<i>Champaign</i>
Tracy, Paul Hubert—Dairy Husbandry B.S., M.S., 1920, 1922	* †	<i>Urbana</i>
Trager, Gladys Valeria—Nutrition A.B., 1922	* †	<i>Loda</i>
Trant, James Buchanan—Economics A.B. (<i>Howard Coll.</i>), 1920 A.M. (<i>Princeton Univ.</i>), 1921	SS * †	<i>Urbana</i>
Tripp, Evelyn Atwood—English A.B. (<i>Smith Coll.</i>), 1912 A.M. (<i>Univ. of Chicago</i>), 1921	* †	<i>Yankton, South Dakota</i>
Troutman, William Chilton—English A.B., A.M., 1917, 1918	* †	<i>Carl Junction, Missouri</i>
Tsang, Chi Fang—Economics B.A. (<i>Univ. of Peking</i>), 1920	*	<i>Fengtien, China</i>
Tuley, William Feagan—Organic Chemistry B.S. (<i>Oregon State Agricultural Coll.</i>), 1922	* †	<i>Cortallis, Oregon</i>
Turner, Fred Harold—Zoology A.B., 1922	* †	<i>Tuscola</i>
Tuttle, Frank Waldo—Economics A.B. (<i>Univ. of Kentucky</i>), 1920	* †	<i>Lexington, Kentucky</i>
Tweedy, Wilbur Rudolph—Organic Chemistry A.B. (<i>Indiana Univ.</i>), 1916	SS	<i>Salina, Kansas</i>
Unfer, Louis—Education B.S. (<i>Missouri State Teachers' Coll.</i>), 1920	SS	<i>Panora, Iowa</i>
Updegraff, Helen—Physiological Chemistry B.A. (<i>Cornell Univ.</i>), 1915 A.M., 1917	SS	<i>Prescott, Arizona</i>
Uyei, Nao—Organic Chemistry B.S. (<i>Oregon Agricultural Coll.</i>), 1916 M.S., 1921	SS * †	<i>Ohyodo, Japan</i>
Vale, Simeon—Education A.B., 1922		<i>Corella, Philippine Islands</i>
Valentine, Roger Wendell—Economics A.B. (<i>McKendree Coll.</i>), 1916 A.M., 1921	* †	<i>Mt. Vernon</i>
Vance, Josiah Gaddis—Spanish A.B., M.A. (<i>Ohio State Univ.</i>), 1919, 1922	* †	<i>Columbus, Ohio</i>
Vandaveer, Frederick Ewart—Chemistry B.S., 1922	* †	<i>White Hall</i>
Vander Veen, George—Chemistry B.S. (<i>Univ. of Chicago</i>), 1917	SS * †	<i>Riverdale</i>
Van Lone, Grant Ellsworth—Physics Ph.B. (<i>Laurence Coll.</i>), 1916	SS	<i>Ft. Atkinson, Wisconsin</i>
Van Meter, Karl Kittson—Economics B.S., M.S. (<i>Washington Univ.</i>), 1921, 1922	* †	<i>St. Louis, Missouri</i>
Van Sandt, Eileen—Spanish A.B., A.M. (<i>Univ. of Kansas</i>), 1920, 1921	*	<i>Chanute, Kansas</i>
Vibar, Toribio—Agronomy B.S.A. M.S.A. (<i>Univ. of the Philippines</i>), 1920, 1921	SS *	<i>Camalig, Philippine Islands</i>
Vogele, Alfred Charles—Botany B.S., M.S., 1918, 1920	SS * †	<i>Urbana</i>
Voss, Arley H—Chemistry B.A. (<i>North Western Coll.</i>), 1922	*	<i>Bellingham, Minnesota</i>
Vrooman, Agnes W—English A.B., 1922	* †	<i>Kokomo, Indiana</i>
Wagner, Edward Michael—Accountancy B.S., 1922	SS * †	<i>La Salle</i>
Wagner, Wesley John—Mathematics A.B. (<i>Baldwin-Wallace Coll.</i>), 1918 A.M., 1921	SS	<i>Elgin</i>
Wall, Clifford Nathan—Physics A.B., 1922	* †	<i>Dayton, Ohio</i>
Walsted, John Palmer—Chemistry B.S. (<i>Oregon State Agricultural Coll.</i>), 1921	SS	<i>Portland, Oregon</i>
Walters, Onno Vernon—History 126 hours (<i>Univ. of Illinois</i>)	* †	<i>Macomb</i>
Walters, Prentice Thurman—Education A.B., 1917	SS	<i>Macomb</i>

Walton, Arthur Calvin—Zoology B.A., M.A. (<i>Northwestern Univ.</i>), 1914, 1915		* † Naperville
Waples, Dorothy—English A.B. (<i>Colorado Coll.</i>), 1917		* † Houston, Texas
Warren, Hill—Education B.S., 1922	SS	Bluford
Washburn, Charles Sidney—Machine Design B.S., 1915		* Urbana
Watson, Elmo Scott—English A.B. (<i>Colorado Coll.</i>), 1916		† Colfax
Weaver, Florence Gertrude—English A.B. (<i>Iowa Wesleyan Coll.</i>), 1919		* † Urbana
Weber, Oscar Friedolin—Education B.S., 1922	SS	* † Champaign
Webster, Maud—Education B.S. (<i>Ohio Wesleyan Univ.</i>), 1905		* † Chicago
Wehman, Herbert John—Psychology A.B., M.S. (<i>Iowa State Univ.</i>), 1911, 1920		* Burlington, Iowa
Weinhold, George Alfred—Chemistry B.S. (<i>Union Coll.</i>), 1920	SS	* † Champaign
Wecppert, Mary Irene—History A.B. (<i>Albion Coll.</i>), 1916	SS	Sunfield, Michigan
Weiss, Frances Loretta—French A.B. (<i>Lake Forest Coll.</i>), 1921	SS	Waukegan
Whetsler, Mary Marcella—English A.B. (<i>Rockford Coll.</i>), 1920 A.M., 1921	SS	Lincoln
White, Howard—Political Science A.B. (<i>Southwestern Coll.</i>), 1916 A.M. (<i>Univ. of Kansas</i>), 1917	SS	* † Urbana
Whitmer, Harriet Mildred—Zoology A.B. (<i>Albion Coll.</i>), 1912 M.A. (<i>Univ. of Michigan</i>), 1917	SS	Burr Oak, Michigan
Whitnah, Nellie Roberta—Chemistry B.S., 1921	SS	Cuba
Wiedrich, Jacob Christian—Education A.B. (<i>Coll. of Emporia</i>), 1913	SS	Sycamore
Wierda, John—Inorganic Chemistry B.A. (<i>Hope Coll.</i>), 1921 M.S., 1922	SS	* † Holland, Michigan
Wilcox, Lucille Elizabeth—History 125 hrs. (<i>Univ. of Illinois</i>)		† Champaign
Wiley, Elizabeth Lois—English A.B., 1920		* Edgerton, Ohio
Wilk, Harry Arthur—Education A.B., 1920	SS	Kinmundy
Wilkins, Mathena Paul—Education A.B. (<i>Knox Coll.</i>), 1913	SS	Niota
Willey, Gilbert Stewart—Animal Husbandry B.S., 1920		* † Urbana
Williams, Lewis Ward—Education Ph.B. (<i>Hiram Coll.</i>), 1909 A.M., 1913	SS	* † Champaign
Wilson, Thomas Adam—Physical Chemistry A.B. (<i>Syracuse Univ.</i>), 1919 M.S., 1921		* † Middletown, New York
Wimer, David Cleveland—Agronomy B.S., M.S. (<i>Pennsylvania State Coll.</i>), 1915, 1921		* † Urbana
Winter, Floyd Leslie—Plant Breeding B.S., 1922	SS	* † Champaign
Winter, Sidney Graham—Economics A.B. (<i>Colorado Coll.</i>), 1921		* † Ogden, Utah
Wisely, Edson Wright—Chemistry A.B., 1921	SS	Terre Haute, Indiana
Wold, Ingall Ensor—Agricultural Economics B.S., 1916	SS	* Rockford
Wold, Leaman Archer—Economics A.B., 1922		* Rockford
Wonsetler, Joseph B—Physics A.B. (<i>Miami Univ.</i>), 1916		* Bryan, Ohio
Wood, Hazle Myrth—Education B.S., 1922		* † Champaign
Wood, Lyman Joy—Industrial Chemistry B.S. (<i>Otterbein Coll.</i>), 1919 M.S., 1920	SS	* † Champaign
Woodard, John—Botany B.S., M.A. (<i>Univ. of Missouri</i>), 1910, 1914		* † Champaign
Woolley, Russell Brooks—Economics B.S., 1922		* † Paris
Worsham, Walter Boatman—Physics A.B. A.M., 1912, 1922		
Wright, Charles Henry—Education B.S. (<i>Illinois Wesleyan Univ.</i>), 1907	SS	McLean
Wuesteman, Adelbert Earnest—Physics B.S., 1922		* † Champaign

Wylie, Sarah Elizabeth—History A.B. (<i>Park Coll.</i>), 1922	SS	<i>Marissa</i>
Yancey, Harry Fagan—Chemistry A.B., A.M. (<i>Univ. of Missouri</i>), 1913, 1915	SS *	<i>Urbana</i>
Yao, Hsing Huang—Agronomy B.S., A.M. (<i>Utah Agricultural Coll.</i>), 1920, 1921	SS	<i>Washington, Dist. of Columbia</i>
Young, Everett Gillhan ¹ —Mechanical Engineering B.S. (<i>Nanyang Coll.</i>), 1913 M.S. (<i>Chiao Tung Univ.</i>), 1916	* †	<i>Shanghai, China</i>
Young, Otis Bigelow—Mathematics A.B. (<i>Wabash Coll.</i>), 1921	* †	<i>Huntertown, Indiana</i>
Young, Paul Allen—Botany A.B. (<i>Wabash Coll.</i>), 1921	* †	<i>Huntertown, Indiana</i>
Young, William Morris—Physics B.S., M.S., 1921, 1922	* †	<i>Omaha, Nebraska</i>
Yutzy, Viberta Nellie—Education A.B., 1922	SS	<i>Lebanon, Indiana</i>
Zellhoefer, Glenn Faber—Chemistry B.S., M.S., 1921, 1922	SS	<i>Le Roy</i>
Zelveian, Yervant M.—Dairy Husbandry B.S., 1922	*	<i>Champaign</i>

¹Candidate for professional degree in engineering.

UNDERGRADUATE AND PROFESSIONAL COLLEGES AND SCHOOLS IN URBANA, 1921-1922

(Including the Colleges of Liberal Arts and Sciences, Commerce and Business Administration, Education, Engineering, Agriculture, and Law, the Library School, and the School of Music)

ABBREVIATIONS

Curriculums

Accey	Accountancy	LG	Landscape Gardening
Agr	General Agriculture	Lib	Library Science
AE	Architectural Engineering	PreM	Preparatory to Medicine
Arch	Architecture	ME	Mechanical Engineering
AC	Athletic Coaching	MinE	Mining Engineering
Bank	Banking	MSE	Municipal & Sanitary Engineering
Bus	General Business	Mus	Music
CL	Commerce and Law	MusEd	Public School Music in Education
CCS	Commercial and Civic Secretaries	RA	Railway Administration
CE	Civil Engineering	RCE	Railway Civil Engineering
CerE	Ceramic Engineering	REE	Railway Electrical Engineering
Chem	Chemistry	RME	Railway Mechanical Engineering
ChE	Chemical Engineering	RT	Railway Transportation
CT	Commercial Teachers	SHAAgr	Smith-Hughes Teacher Training in Agriculture, College of Agriculture
Ed	General Education		
EE	Electrical Engineering	SHAEd	Smith-Hughes Teacher Training in Agriculture, College of Education
Eng	General Engineering		
EPh	General Engineering Physics	SHHEEd	Smith-Hughes Teacher Training in Home Economics, College of Education
Flor	Floriculture		
FOM	Farm Organization and Management	SHHEAgr	Smith-Hughes Teacher Training in Home Economics, College of Agriculture
FC	Foreign Commerce		
GE	Gas Engineering		
HEAgr	Home Economics, Agriculture		
HELAS	Home Economics, Liberal Arts and Sciences		
IA	Industrial Administration		
IED	Industrial Education	SS	Summer Session, 1922
Ins	Insurance	Ssp ²	Soldier Special
Irr	Irrigation	Vsp ²	Special Vocational Curriculum in Agriculture
Jnl	Journalism		
Law	Law	Unc	Unclassified
PreL	Preparatory to Law		
LAS	General Liberal Arts and Sciences		

NAME	CURRICULUMS	CREDIT HOURS ⁴	RESIDENCE
Abbott, George Robert	Bus	105	* † Charleston
Abbott, Ira Richmond	EE (SS)	99	* † Petersburg
Abbott, Raymond La Due	SS	9	Lansing, Michigan
Abbott, Richard Henry	SS	6	Petersburg
Abbott, Ulysses Samuel	SS	7½	Oakland City, Indiana
Abel, Mrs. Elizabeth Mae	SS	13	Carbondale
Abel, Ruth Marie	SS	18½	Springfield
Abel, Wilfred Loren, Jr.	SS	24	Louisville
Abian, Pedro	SS	6½	Lasag, Philippine Islana.
Abney, Charles Lyndorf	CerE	58	* † Harrisburg
Abraham, Robert	ME	107½	* † Chicago Heights
Abrahams, Jerome Louis	PreL	67	* † Chicago
Acacio, Irineo Agcaoil	MinE		* † Vintar, Philippine Islands
Ackerman, Alfred Jerome	Bus	30	* † Ligonier, Indiana
Ackley, Alberta Mildred	Ed (SS)	118	* Odell
Ackman, LeRoy William	Bus		* Union
Acton, Russel Dow	LAS	71	* † Danville

¹Students holding bachelor's degrees but taking undergraduate work.

²Honorably discharged soldiers and sailors not qualified for matriculation and under 21 years of age, admitted on the basis of a personal interview with a faculty committee and of passing the Army Intelligence Test (under the procedure suggested by the United States Commissioner of Education).

³Sub-collegiate, conducted for disabled soldiers and sailors under the auspices of the Federal Board for Vocational Education.

⁴Number of credit hours computed as of January 9, 1923, to show the student's class standing during the year. In the case of students in the College of Law and the Library School, only those credits that count toward the LL.B. and B.L.S. degrees are shown.

†Attendance first semester indicated by the asterisk (); second semester by the dagger (†).

Acuff, Mrs. Lizzie Edith	SS	5	East St. Louis
Adair, Colista Genevieve	HELAS	60	* † Stronghurst
Adair, Dorothy Merle	LAS		* † Stronghurst
Adam, George Herman	EE		* † Arlington Heights
Adamek, George Frank	SS	136½	* † Davenport, Iowa
Adams, Alice Elizabeth	HEAgr	98½	* † Evanston
Adams, Alma Ione	HELAS (SS)	100	* † East Moline
Adams, Aubrey Bruce	ChE (SS)	12½	* † Grand Turks, Brit. W. Indies
Adams, Beatrice Edna	LAS	67	* † Benton
Adams, Clifton Ernest	SS	5	* † Yates City
Adams, Dorothy Faxon	LAS		* † Evanston
Adams, Eber Clayton	SS	60½	* † Olney
Adams, Emma Mae	LAS		* † Urbana
Adams, Florence Mildred, A.B., 1919	Lib unc		* † Yellow Springs, Ohio
Adams, Hugh Moore	SS	125	* † Charleston
Adams, Jessie Ruth	HELAS	96	* † Princeville
Adams, John David	Agr	79	* † Chicago
Adams, John Phillip	Bus (SS)	68	* † Fairfield
Adams, Lawrence Russel	LAS	35	* † Newton
Adams, Louise	PreM	56	* † Chicago
Adams, Lyndon Olin	EE	112½	* † Arcola
Adams, Mary Louise	HELAS		* † Alexandria, Louisiana
Adams, Ralph Roy	SS	6½	* † Charleston
Adams, Sam Eugene	Bus		* † Buffalo, Wyoming
Adams, Sidney William	Bus	62	* † Rossville
Adams, Walter Glenn	LAS (SS)	95	* † Kewanee
Adams, Wright Row	PreM	27	* † Chicago
Adamson, Jane Ann	Bus		* † Chicago
Ade, Bertha Fredericka	HEAgr	33	* † Pana
Adkins, Vinda	LAS		* † Newton
Adkins, Winifred Jane	LAS	36	* † Wilmette
Addisson, Fannie Leota	LAS	95½	* † Roseville
Adler, Irene	SS	4	* † Mattoon
Adler, Maurice	ChE	105	* † St. Louis, Missouri
Adles, Elizabeth Myrtle	CL		* † DuQuoin
Adloff, Carl Henry	ChE	34½	* † Springfield
Adsit, Gaylord De Witt	Law		* † Wellington
Ady, Gertrude, A.B., 1921	Ed irr		* † Champaign
Aepinus, Henrietta Evelyn	HELAS	47½	* † Chicago
Agle, Maurine Theresa	LAS	106½	* † Bloomington
Agle, Myrtle Fern	Ed	128	* † Bloomington
Agnew, John Maurice	EE	103	* † Clinton, Indiana
Aguilar, Isabelo Torregosa	CE	36	* † Rockford
Ahlstrand, Alfred Oliver	Bank	33	* † Loos, Philippine Islands
Ahuja, Yog Dhijan	Jnl	27	* † Rockford
Aitken, Frank Harley	EE	97	* † Punjab, India
Aitken, Louis Fred, Jr.	Bus	102	* † Sand Springs, Oklahoma
Aker, Lewis Preston	ChE	100	* † East St. Louis
Akin, Edna May	ChE		* † Cedar Rapids, Iowa
Akley, Raymond Lorain	SS	8	* † Blue Mound
Alberhasky, Mary Helen	SS	7½	* † Keota, Iowa
Alberstett, Vernon Roy	LAS	58	* † Woodstock
Albert, Paul Mathias	Bus	100	* † Rockford
Albert, Samuel Raymond	Bus	31½	* † Mattoon
Albertsen, Ernest Justin	CE (SS)	85½	* † Freeport
Albrecht, Daniel Arthur, A.B. '16; B.S. '19	Bus	4	* † Urbana
Albrecht, Marcus Fred	MinE irr		* † Champaign
Albright, John Maurice	Agr	66	* † Dundee
Alder, Helen Bromilow	LA	34	* † Urbana
Aldous, Alfred Frederick	SS		* † Chillicothe
Aldrich, Ernest Tonning	EE		* † Litchfield
Aldrich, Eugene Elliot	Bus	30	* † Chicago
Alexander, Charles Carol	AC	108	* † Duluth, Minnesota
Alexander, John Richardson	Agr		* † Charleston
Alexander, Phyllis Albert	PreM	30	* † Charleston
Alford, Robert Gordon	SS	5	* † Charleston
Alisky, Archie Harry	Eng	37	* † Benton Harbor, Michigan
Alison, Lloyd Cicero	PreL	23	* † Kansas City, Missouri
Aldire, Chester Marvin	PreL	99	* † Alvin
Allais, Irene Adele	AE	30	* † Sidell
Alleman, Merle Margaret	Mus		* † Terre Haute, Indiana
Alleman, Norville James	LAS (SS)	97	* † Champaign
Allen, Carl Elmer	ME	34	* † Champaign
Allen, Charles Moore	SS	13½	* † Springfield
Allen, David Bailey	SH AEd	123	* † Charleston
Allen, Donald Cameron	Agr (SS)	44½	* † Delavan
Allen, Eloise Grace	Agr (SS)	44½	* † St. Louis, Missouri
Allen, Fern Frances	HEAgr	108½	* † Delavan
Allen, Harold Johnson	Bus		* † Champaign
Allen, Hubert Ethan	CL	31½	* † Laurens, Iowa
Allen, John Edward	Arch	91½	* † Otterville, Missouri
Allen, Katherine Gertrude	Bus		* † Winona
Allen, Lyle Roy	SS	16	* † Knoxville
Allen, Mary Winifred	ME	28	* † Waterford, Pennsylvania
Allen, Paul Benight	SS	8	* † Jerseyville
	LAS	31	* † Champaign

Allen, Ralph B	Bus	99	* † Broadlands
Allen, Ray Hugh	SS	7½	* † Farmington
Allen, Richard Grant	Bus unc (SS)	37½	* † Chicago
Allen, Robert Hammond	Agr	104½	* † Delavan
Allen, Robert Joseph	LAS	117½	* † Charleston
Alenthorp, Robert R	Accy		* † Greenup
Allgood, Homer Bertin	SS	5%	* † Edwardsport, Indiana
Allison, Arthur R	AE	108	* † Palisades, Colorado
Allison, Bertram Holt	Accy	34	* † East St. Louis
Allison, Catherine Brown	Chem	29	* † Macomb
Allison, Curtis Harold	Bus	15	* † Chicago
Allison, Dale Omelia	AC (SS)	62	* † Assumption
Allison, Harold	SHAAgr unc		* † Fairfield
Allison, Louella Anna	HELAS	33	* † Palisades, Colorado
Allison, Rolla Gordon	Accy		* † Newton
Allmendinger, Josephine Booth	LAS		* † Chicago
Alper, Max	Arch		* † Chicago
Alseth, Hilda Josephine	Lib unc	44%	* † Lake Preston, South Dakota
Altabe, Esther	LAS		* † Urbana
Altbach, Joseph	Bus	33	* † Chicago
Alten, Anzolette	LAS	54	* † Harvey
Altman, James Sloan	CerE		* † Chicago
Alvord, Ben Finley	Agr	116	* † Noble
Alward, Cutler Kenneth	Bus	85½	* † Moweaqua
Alyea, Paul Edgar	Bus (SS)	94	* † Indianapolis, Indiana
Amacher, Vern David	Ed (SS)	62½	* † Straun
Ambrose, Gordon Ellsworth	Bus		* † Chicago
Amelotti, Emilio	EE		* † Clinton, Indiana
Amory, Eugene Ernest, Jr.	Eng	76½	* † Chicago
Amos, Douglas Jacques, B.S., 1916	SS		* † Cairo
Amrine, Edgar Simpson	Agr	91½	* † Vermont
Amsbary, Frank Clifford, Jr.	CE	79½	* † Champaign
Anders, Charles Edward	Accy unc		* † Sadorus
Anders, George Martin	Bus		* † Delavan
Anderson, Agnes	HEAgr		* † Big Rock
Anderson, Alma	Mus unc		* † Jackson, Minnesota
Anderson, Alvin	LAS		* † Leland
Anderson, Carl Ivar	ChE	98	* † Chicago
Anderson, Carl Oscar	ME	98½	* † Chicago
Anderson, Charles Harlen	AC		* † Cambridge
Anderson, Clarence Felix, A.B., 1913	SHAEd irr (SS)		* † Flora
Anderson, Clifford Clark	REE	47	* † Moline
Anderson, Corliss Doran	ME		* † Peoria
Anderson, Dwight Wilson	PreM (SS)	5	* † Decatur
Anderson, Edwin John	Bus		* † Chicago
Anderson, Everett Leroy	Bus	94½	* † Rockford
Anderson, Florence Elsie	LAS	26	* † Chicago
Anderson, Floyd Graham	Agr	96½	* † Pinckneyville
Anderson, Frederick Nielsen	LAS	61	* † Moline
Anderson, George William	Bus (SS)	104	* † Heyworth
Anderson, Grace Gertrude	LAS		* † Chicago
Anderson, Harold	Bus	46	* † Paxton
Anderson, Mrs. Helen Root	SS	7	* † Charleston
Anderson, Ivan George	ME	107½	* † Chicago
Anderson, Jeff Agamennon	Accy (SS)	39	* † Carterville
Anderson, John Engrald	Mus unc		* † Gibson City
Anderson, John William Clarice	Agr	64	* † Buda
Anderson, Karl Willard	Bus	31	* † Chicago
Anderson, Kenneth Gates	Bank	69	* † LaGrange
Anderson, Lois Marie	HELAS		* † Urbana
Anderson, Mauritz Lloyd	LG		* † Paxton
Anderson, Minor William	Bus		* † Joliet
Anderson, Paul Marcus	Bus	3	* † St. Paul, Minnesota
Anderson, Paul Theodore	Bus	98	* † Rock Island
Anderson, Raymond Rueben	CE (SS)	113	* † Kewanee
Anderson, Russell Howard	Ed	114	* † Jewett
Anderson, Russell Orville	EE		* † Blue Island
Anderson, Ruth	LAS	19	* † Chicago
Anderson, Ruth	HELAS	98½	* † Blue Island
Anderson, Ruth Elizabeth	HEAgr	125	* † Buda
Anderson, Sumner Morgan	LAS		* † Charleston
Anderson, Walter Theodore	Bus	70	* † Ottawa
Anderson, Walter Wilford	Bus (SS)	100½	* † Huron, South Dakota
Anderson, Wesley F	Bus	103	* † Sycamore
Anderson, William Bernard	Chem	69	* † St. Louis, Missouri
Andren, Erland Frederick	LAS (SS)	66	* † Gary, Indiana
Andren, Inez Dorothy	Bus	82	* † Gary, Indiana
Andress, Reed Maurice	Eng		* † Rockford
Andrew, James William	Bus	30	* † Palmyra
Andrew, John Ramsey	SS	9	* † New Salem
Andrew, Lowell Ross	ME	101	* † Palmyra
Andrews, Arthur James	SHAEd (SS)	90½	* † St. Francisville
Andrews, Donald G	Agr	35	* † St. Louis, Missouri
Andrews, Edmund Lathrop, Jr.	PreL		* † Chicago
Andrews, Kenneth Anton	FC	111	* † Quincy
Andrews, Wilkins Bostick	FC	64	* † Fayette

Andrlik, Emil Louis	CE	55	* † Cicero
Anell, Esther Willard, A.B., 1919	Lib	36	* † Urbana
Angell, Otis Holmes	PreL	99 $\frac{3}{4}$	* † Rushville
Angier, Milton Sanford	EE	77 $\frac{1}{2}$	* † Beardstown
Angus, William Martin	Bus	32	* † Chicago
Ankeny, Marjorie Luella	LAS	96	* † Davenport, Iowa
Anthony, George Thomas	EE (SS)	11	* † Champaign
Antle, Marshall Bragg	SS	7 $\frac{1}{2}$	* † New Berlin
Appel, Robert Everett	EE	109 $\frac{3}{4}$	* † Springfield
Apple, Casper Borland	Accy	37	* † Peoria
Applegate, Donald Verry	Agr	32	* † Atlanta
Applegate, Gladys Irene	Chem	103 $\frac{1}{2}$	* † Western Springs
Applegate, Robert Bugby	ME (SS)	67	* † Western Springs
Appling, John William, B.S., 1921	SS		* † St. Joseph
Aquart, Arthur Vincent	IA	65	* † Oak Park
Aquino, Apolinario Lucas	LAS	68	* † Champaign
Aquino, Serafin	SS		* † San Mingel, Philippine Islands
Araneta, Romualdo Marcial	ME	36	* † Bago, Philippine Islands
Arbuckle, Philip Heckman	SS	50	* † Genoa
Archer, Marjorie Edith	LAS	66	* † Peoria
Arcuri, Marion Kathryn	LAS	64 $\frac{1}{2}$	* † Chicago
Ardell, Robert Bernard	Law	33 $\frac{1}{2}$	* † San Francisco, California
Arends, Wilmer Ruppel	Agr (SS)	72 $\frac{1}{2}$	* † Melvin
Arensman, Perry D	Agr		* † Metropolis
Arford, Edwin Heston	Jnl (SS)	35	* † Marshall
Arford, Mary Winifred	LAS (SS)	18 $\frac{1}{2}$	* † Marshall
Arie, Marian Elizabeth	LAS (SS)	56	* † Champaign
Armantrout, William Everette	Arch	63	* † Philadelphia, Pennsylvania
Armington, Mary Emily	FC	34	* † Indianapolis, Indiana
Armstrong, Carl Romaine	CL	31	* † Cleveland, Ohio
Armstrong, Carol	LAS	94 $\frac{3}{4}$	* † Chicago
Armstrong, Cecil Marion	Accy		* † Mineral
Armstrong, Eulalie Helen	Mus		* † River Forest
Armstrong, George Carroll	EE		* † Centralia
Armstrong, Grace Wilda	SHEEd	102	* † Urbana
Armstrong, Hugh William	Bus		* † River Forest
Armstrong, Jennie Louise	HELAS		* † Peoria
Armstrong, Juliette Adams	LAS	65	* † Chicago
Armstrong, Oliver Milton	ME	105	* † Cleveland, Ohio
Armstrong, Ralph Wilbur	EE	35	* † Urbana
Armstrong, Raymond L.	Bus	41	* † Terre Haute, Indiana
Armstrong, Robert Ellis	SS	8	* † Decatur
Armstrong, Sarah Marian	LAS	60	* † Lincoln
Arndt, Fred Wilbur	EE	36	* † Lee
Arndt, Raymond Henry	ME	111	* † Rock Island
Arnet, Barton Miles	SS		* † Lewiston
Arnholz, Clifford K	Arch	12	* † Peoria
Arning, Henry Urban	EE	77	* † Quincy
Arnn, Fred Dickerson	Bus		* † Cairo
Arnold, Augusta Clover	Jnl		* † Rantoul
Arnold, Earl Frederick	Arch	26	* † Rock Island
Arnold, George Verlin	Bus	28	* † New Palestine, Indiana
Arnold, Lathrop Walker	Jnl	29	* † Oak Park
Arnold, Lorn Ellsworth	CE		* † Decatur
Arnold, Orville D., A.B., 1921	Law	21	* † Browning
Arnold, Ruth Dotterer	LAS	32	* † Little Rock, Arkansas
Arntzen, John Christian	AE	34	* † Sycamore
Arrick, Douglas Charles	FC		* † Logansport, Indiana
Arteaga, George Alexander	CE	119	* † Cochabamba, Bolivia
Arundel, Russell Moore	LAS		* † Jacksonville
Arvin, James Augustus	Chem	48 $\frac{1}{2}$	* † Timewell
Ash, Esther Rebecca	Law		* † Muncie, Indiana
Ash, Russell Leonard	Agr		* † Ashkum
Ashbaugh, Walter Wyatt	Agr	103	* † Dunlap
Ashby, Edmund	LAS		* † Harvey
Ashby, Hugh Hazelwood	Bus	5	* † Harvay
Ashcraft, Julian Holley	AC	60	* † Westfield
Asher, Ollie Martin	LAS	63	* † Kankakee
Ashley, Howard L	FOM unc	8	* † Tonica
Ashley, John Albert	IA		* † Chicago
Ashton, Bessie Leola	SS	3	* † Kalamazoo, Michigan
Asmus, Edna Ida	Jnl	107	* † Chicago
Asmus, Edward William	Law		* † Chicago
Aspern, Janet Louise	LAS	45	* † Champaign
Atherton, Harold Starr	Bus Ins		* † Danville
Athey, George Lewis	PreM	37	* † Robinson
Atkinson, Francis Charles	Bus		* † Urbana
Atkinson, John Williams	LAS	49	* † Little Rock, Arkansas
Atkinson, Joseph Elliot	Bus	65	* † Champaign
Atkinson, Thelma Marie	SS	129	* † Urbana
Ator, Grace	LAS		* † Urbana
Ator, Joseph Reeder	Jnl	67 $\frac{3}{4}$	* † Urbana
Attick, Marion Louise	LAS	48	* † Kansas City, Missouri
Atwell, Donald Burgess	SS	147	* † Nacogdoches, Texas
Atwood, Clarence Newell	Agr	45	* † Grand Ridge
Atwood, Eda Mildred	HEAgr	68	* † Grand Ridge

Augur, Allison Leverett	Eng	73	* Chicago
Augustin, Wilbur Everard	Bus	32	* † St. Louis, Missouri
Austin, James William	Bank	97½	* † Effingham
Austin, Merrill Reznor	Bus (SS)	81	* † Monmouth
Austin, Rufus Paterson	PreL	34	* † Kansas City, Missouri
Austin, Thomas Edward	Bus	65	* † Effingham
Austin, Vivian Olive	Bus	28	* † Wellington
Avendorph, Julius Nelthropp, Jr.	PreM	30	* Chicago
Axline, William Tompkins	SS	5	* Bryant
Ayers, Donald Jean	ME	93½	* † Chicago
Ayers, Robert Brent	Bus	65	* † Hinsdale
Babaian, Rose Katherine	HELAS	47	* † Grand Bay, Alabama
Babb, Elizabeth Margaret	LAS	14	* † Champaign
Babb, Howard J	Bus	104	* † Champaign
Babbage, John	Agr		* † Downers Grove
Babbitt, Robert M., Jr.	PreL		* † Evanston
Babcock, Lucius Draper	Arch	34	* † West Palm Beach, Florida
Babicky, Frank	Agr	35	* † Chicago
Baccus, Joseph Harold	Jnl	68	* † Kewanee
Bach, Carl Henry	Bus	33	* † Chicago
Bach, Ferdinand Harold	Accy	104	* † Terre Haute, Indiana
Back, William, Jr.	Bus	15	* † Little Rock, Arkansas
Bacon, Carl Mitchell	Bus	28	* † Newman
Bacon, Edward Harrison	Agr		* † Lilly
Bacon, Elizabeth	LAS (SS)	35	* † Oak Park
Bacon, Lawrence Eckart	ME	31	* † Chicago
Bacon, Marie Louise	LAS	95	* † Lilly
Baer, Carl Chelton	Agr		* † Oreaa
Baer, John Green	CerE		* † Streator
Baer, Rose Esther	LAS unc		* † Chicago
Baer, Sandford Joseph	AC	73	* † Murphysboro
Baethke, Jerome William	LAS	62	* † Glen Ellyn
Bagby, Mrs. Angie Wolcott	LAS unc		* † Urbana
Baggerly, Elizabeth Frederick	Jnl	65	* † Louisville, Kentucky
Bagley, Frank Albert	PreM	61	* † Kansas City, Missouri
Bagshaw, Enoch Williams	SS		* † Seattle, Washington
Bahlman, William John	LG (SS)	127½	* † Goodenow
Bahnsen, Margaret	LAS		* † Rock Island
Bailey, Bernice H	HELAS	115	* † LeRoy
Bailey, Bessie Lois	LAS	48	* † Hillsboro, Indiana
Bailey, Carter	LAS	38½	* † Chicago
Bailey, Dale Bedford	Bus	75	* † Aledo
Bailey, Mrs. Grace Thomas	SS	21	* † Weldon
Bailey, Harold Ogden	Bus	41	* † Muskegon, Michigan
Bailey, Helen Hildegard	Agr	22	* † Chicago
Bailey, Helen Pauline	SHHEEd	61	* † Paxton, Indiana
Bailey, Joseph Cannon	LAS	60½	* † Danville
Bailey, Mary Margaret	Ed (SS)	73	* † Oakdale
Bailey, Minnie Elizabeth	Mus	30	* † Urbana
Bailey, Robert Gilman	Agr	97	* † Delavan
Bailey, William Harvey, Jr.	Bus		* † Chicago
Bailie, Violet	Bus		* † Urbana
Bainum, Glenn Cliffe, A.B., 1913	Mus irr		* † Paxton
Baird, George Dewey	Agr (SS)	112½	* † Rock Island
Baird, George Malcolm	Bus	129½	* † Evansville, Indiana
Baird, Glenna Bernadine	HELAS		* † Mt. Carmel
Baird, Gordon Franklin	IA	70	* † Champaign
Baird, Helen	SS		* † Indianola
Baird, Marion	SS		* † Indianola
Baird, Jack Pierson	Bus	97	* † Evansville, Indiana
Baird, Kathryn Alice	LAS		* † Urbana
Baird, Robert Leslie	Bus	104½	* † Park Ridge
Bairstow, Fred Brearley	Bus		* † Waukegan
Bairstow, Jack Edward	Law	7	* † Waukegan
Bake, Rosa	LAS	99	* † Terre Haute, Indiana
Baker, Alonzo Newton	PreM (SS)	32	* † Marion
Baker, Donald Oliver	CE	69½	* † Anna
Baker, Dorothy Rodelia	HELAS	31	* † Oak Park
Baker, Ednah Elizabeth	Ed (SS)	75½	* † Batavia
Baker, Gladys Viola, A.B., 1919	Lib unc	32	* † Breckenridge, Missouri
Baker, Howard Robert	Agr (SS)	82	* † Warsaw
Baker, Jessie Irene	SS	8	* † Batavia
Baker, John D	Bus (SS)	76½	* † Sumner
Baker, John Lewis	Bus (SS)	43½	* † Urbana
Baker, Joseph Leslie	Agr		* † Atwood
Baker, Marjorie Beall	SS	82½	* † Tuscola
Baker, Ralph	Bus		* † White Salmon, Washington
Baker, Ralph Norton	ME		* † Springfield
Baker, Robert Verne	PreL		* † Oak Park
Baker, Virginia Katherine	LAS	61	* † Urbana
Baker, Wilbert James	ChE	127½	* † Princeville
Balaban, Harry	PreL	25½	* † Chicago
Balbach, Harold Edward	Agr	76½	* † Cheona
Balcke, Louis Andrew	PreM		* † Pekin
Baldassari, Italo Oscar	PreM		* † Chicago
Baldrige, William Odus	PreM	15½	* † Terre Haute, Indiana

Baldwin, Edwin Arthur	LAS		* † Grayville
Baldwin, Harold Lycurgus	Bus		* † Grayville
Baldwin, James Howell	SS	133	* † Windfall, Indiana
Baldwin, John Harold	Bus	45½	* † Chatsworth
Baldwin, Kenneth Denison Holmes	Agr	83¾	* † Peoria
Baldwin, Paul Munn	ChE	48½	* † Joliet
Baldwin, William Robert	Accy	94	* † Dayton, Ohio
Bales, Edward Joseph	Agr		* † Maywood
Ball, Donald Escot	CE	37	* † Round Knob
Ball, Dwight Kermit	Accy		* † Champaign
Ball, Mrs. Jessie Arensman	HELAS	62	* † Metropolis
Ball, Samuel Sloman	CE	64	* † Litchfield
Ballard, Frances Barbara	HELAS	33	* † Berwyn
Ballard, James W	LAS		* † Auburn, Indiana
Ballard, Lewis Addison	IA	34	* † Jerseyville
Ballard, Randall Clarence	EPh	34½	* † Chicago
Ballard, Raymond Claude	SS	6	* † Streator
Ballentine, Earle Wesley	EPh	73	* † Chicago
Ballinger, Florence Westfield	Jnl	75	* † Chicago
Balson, Edward	CE	109	* † Chicago
Baltimore, Dale Harold	Agr		* † La Fayette
Bamber, Harriet Elizabeth	SS	8½	* † Eureka
Bamberger, Ruth Louise	Mus	16	* † Terre Haute, Indiana
Bamond, Manuel Julius	ME	22	* † Chicago
Bancroft, Ruth Marguerite	SS	130	* † Jacksonville
Bandy, Lester W	AC	35	* † Litchfield
Bane, Margaret Louise	HELAS		* † Kansas
Banister, Guy	ME		* † Stuttgart, Arkansas
Banker, Carleton Lloyd	Bus	30	* † Chicago
Banker, Edward Hamilton	Bus (SS)	98	* † Chicago
Banker, Mildred Ethel	LAS	60	* † Aurora
Banks, James Jackson	Bus	65	* † Fargo, North Dakota
Bankson, Clyde Russell	Law	72	* † Pulaski
Bannin, Alice Bernadette	Mus unc		* † Champaign
Bannister, Clyde	Agr		* † Sparta
Banta, Clifton Edward	Bus	48½	* † Pittsburg, Kansas
Bantz, Ford Delno	Agr		* † Filthian
Baptista, Charles Alfonso	FC		* † Wheaton
Barackman, Mildred Park	LAS	30	* † Streator
Barber, Claron Dale	LAS	36	* † La Foz
Barber, Furnald Keith	FOM	64½	* † La Foz
Barber, Lora Etta	LAS	31	* † Toledo, Ohio
Barcus, Gertrude Louise	Agr	154	* † Crawfordsville, Indiana
Barcus, Glenn Oscar	REE	62	* † Genoa
Bardwell, Edward Charles	Bus	72	* † St. Louis, Missouri
Bardwell, John Early	Bank	103	* † St. Louis, Missouri
Bardwell, William Utley	Law	28	* † Dixon
Barger, Henry	SS	16½	* † Danforth
Barker, Bernice Kathryn	HELAS	60	* † Charleston
Barker, Meredith Faxon	PreM	31½	* † Glen Ellyn
Barkley, Paul Croxton	LAS	25½	* † Carlyle
Barla, Simon Joseph	Bus (SS)	84½	* † Seneca
Barnard, Alger Sidney	Eng	83	* † Naperville
Barnard, Dorothy Lucile	Ed	116½	* † San Pierre, Indiana
Barnes, Callie Irene	SS	14½	* † Charleston
Barnes, Charles Palmer	Jnl		* † Effingham
Barnes, Earl Joseph	FC		* † Champaign
Barnes, Harvey Buxton	Bus (SS)	55½	* † Oakland, California
Barnes, Homer Mahl	CE		* † Oak Park
Barnes, Paul Royden	PreM	32	* † Joliet
Barnes, Robert Avery	Law	28	* † Washburn
Barnes, Robert Stubbs	Bus	36½	* † Champaign
Barnett, Clarence Edward	LAS	103	* † Pana
Barnett, Franklin Newell	Law		* † Peoria
Barnett, Helen Clo	LAS		* † Ridgway
Barnett, Loyce	Mus		* † Ridgway
Barnett, Thomas William	SS	8	* † Kewanna, Indiana
Barr, Andrew, Jr.	Accy	104	* † Urbana
Barr, Catherine	LAS		* † Urbana
Barr, Clarence C	Agr		* † Gardner
Barr, Dwight Laughlin	LAS	26	* † Gibson City
Barr, Elmer Benjamin	Bus		* † Ottawa
Barr, James Worrell	CL		* † Joliet
Barr, Laurinda May	SS	40	* † Taylorville
Barr, Myrtle Garnett	LAS	116	* † Brazil, Indiana
Barr, Oliver Milton, Jr.	LAS	123½	* † River Forest
Barr, Robert Abraham	EE	60	* † Centralia
Barr, Robert Jay	Agr	30½	* † Chicago
Barre, Curtis Glick	LAS		* † Mt. Carmel
Barrett, Alice Pearl	LAS	96	* † Princeville
Barrett, Arthur Lee	EE		* † Springfield, Missouri
Barrett, Ethelyn Marie	LAS (SS)	63½	* † Bone Gap
Barrett, Harold Truman	ME	94	* † Chicago
Barrett, Helen Elizabeth	PreM	68	* † Chicago
Barrett, John Carl	Bus	63	* † Neoga
Barrett, Laurence Alexander	Accy unc	8	* † Chicago

Barrett, Marguerite Lillian	LAS	99	* † Oak Park
Barrett, William Waller	AC	27	* † Hume
Barrick, Grace Lucile	LAS		* † Mount Olive
Barry, Nelle	Bus	97½	* † Champaign
Bartell, Wilbur Reginald	LAS	30	* † Fargo, North Dakota
Bartels, Edwin Joseph	Bus	26	* † Hamilton, Ohio
Bartels, Elmer Clarence	PreM	32	* † Hamilton, Ohio
Barthen, Alice Clara	LAS		* † Chicago
Bartle, Kathryn Louise	HEAgr		* † Pinckneyville
Bartlett, Arthur William	Arch		* † Eau Claire, Wisconsin
Bartley, Elias Russell	IA	68	* † Waterloo, Iowa
Bartling, Henry Amandus	EE	35	* † Litchfield
Barto, Harriet Thompson, B.S., 1916	SS	132	* † Urbana
Baseman, Elmer Gerdes	EE	36	* † Elgin
Bash, Elmer Clarence	Bus		* † Champaign
Baskin, Ben Jefferson	SS		* † College Station, Texas
Baskin, Ruth Eloise	LAS	26	* † Parma, Missouri
Bass, Jewell Lee	PreM	49	* † Makanda
Bass, Perkins Burnham, Jr.	SS	145½	* † Evanston
Bassett, Lillian Elizabeth	LAS	65	* † Anderson, Indiana
Bassett, Margaret Benham	LAS	32	* † Chicago
Bassie, William Randall	CE		* † Chicago
Bate, John Louis	Jnl		* † Chicago
Bateman, Margaret Bartron	Bus		* † Peoria
Bates, Charles Hays	EE		* † Kansas City, Missouri
Bates, Gardner Oatman	CE	69	* † Chicago
Bath, Blossom Lucile	LAS		* † Marshall, Texas
Batkum, Roy Nestor	Bus		* † Elmhurst
Bath, Gomer David	SS	130	* † Peoria
Batman, Charles Loraine	AC	26½	* † Newton
Batman, Dorothy Naomi	LAS	34	* † Sullivan
Batson, Walter Schafer	Agr	70	* † Keensburg
Battaile, Irene Louise	Mus	61	* † Champaign
Battersby, Fred	Bus (SS)	102½	* † Kewanee
Batterton, Richard	LAS		* † Greenfield
Batthey, Richmond Taylor	Ins		* † Winnetka
Bauer, Fritz Alexander	Bus		* † Chicago
Bauer, Margaret Cecilia	Mus		* † Greenfield
Baughman, Clifford Glenn	Agr		* † Canton, Mississippi
Baughman, Palmer Hubbard	EE	53	* † Greenville, Ohio
Baum, Donald Hamilton	ME	4	* † Chicago
Baum, Leland Smith	SS	32	* † Monticello, Indiana
Bauman, Chester Ernest	SS	11	* † Bradner, Ohio
Bauman, Sylvia	LAS	25	* † Highland
Baumgardner, Alleyne	LAS	53	* † Colchester
Baumgardner, Karl Conant	SS	146½	* † Sioux Falls, South Dakota
Baumgartner, Henry Carl	Accy	70	* † Chicago
Baur, Adelbert C	Bus	111½	* † Chicago
Bauer, Helen Catherine	LAS		* † Stonington
Baur, Howard Charles	AC		* † Chicago
Baur, Willis Stewart	Bus	24½	* † Chicago
Baxter, Fred Newton	LAS		* † Findlay
Baxter, Gladys Maxine	Jnl		* † Rockford
Baxter, Opal Elizabeth	SS	8	* † Patoka
Baxter, Thurston Hanson	CE		* † Jerseyville
Bayles, Lowell Richard	SS	13	* † Newton
Bayles, Lucile	SS	5	* † Newton
Baynes, Kathryn Lee	LAS	100	* † Champaign
Bayot, Jose Maria	CE	78	* † Zamboanga, Philippine Islands
Beabout, Jesse Franklin	SS	63	* † Casey
Beach, Kenneth Albert	ChE	66	* † Wood River
Beach, William	Eng	35	* † Robinson
Beadles, Jessie Rachel	LAS (SS)	78½	* † Virginia
Beale, Louis Richardson	ME		* † Hubbard Woods
Beale, Russell C	ChE	99	* † Granite City
Beall, Kenneth Sutter	Bus	23	* † Decatur
Beam, Paul Charles	FC	48	* † Rensselaer, Indiana
Bean, Jack Harold	Bus		* † Blue Mound
Bean, Lois Frances	LAS		* † Farmer City
Bean, Roy Anderson	Agr	65	* † Blue Mound
Bean, Smith Cullen	CE		* † Mt. Vernon
Bean, Vera Edna	LAS	89	* † Chicago
Beer, Herman Wilson	SS	8	* † Kirkwood
Beard, Byron Lugile	MinE	27	* † Arenzville
Beard, Rayfield Albert	Bus	76½	* † Chicago
Beardsley, Charlotte Marie	HELAS	30	* † Urbana
Beardsley, Katharine	LAS	32	* † Council Bluffs, Iowa
Bearg, Ernest Elmer	AC unc		* † Hastings, Nebraska
Bearg, George Ulysses	SS	5	* † Hastings, Nebraska
Beattie, Dewey Thompson	Agr (SS)	114½	* † Sparta
Beatty, Clarence Arthur	CE		* † Dwight
Beatty, Grace Elizabeth	LAS	97	* † Middletown, Ohio
Beatty, Sarah Margaret	LAS	106	* † Quincy
Beatty, William Forest	Agr	93½	* † Paris
Beatty, William Henry	Jnl	32	* † Ossian, Indiana
Beauchamp, Mary Ella	Mus unc (SS)	42½	* † Champaign

Beauchamp, Sara DeWitte	LAS (SS)	68	* † Champaign
Beaudet, Joseph Arthur	SS	26	* † Munson, Canada
Beaudoin, Robert Edward	ChE	69	* † Chicago
Beaugureau, Helen Mary	LAS	35	* † Chicago
Beaver, Jesse Ferris	Agr		* † Danville
Bebb, Anna Marion	LAS	101 $\frac{1}{2}$	* † Muskogee, Oklahoma
Bechtold, Lillian Hortense	LAS	98	* † Urbana
Beck, Walter	EE	119	* † Rock Island
Becker, Albert Alvin	Bus	21	* † Johnston City
Becker, Carlton Hewitt	CE	94	* † Elgin
Becker, Dorothy Jean	HELAS	94	* † Diernon
Becker, George Robert	IA	34	* † Diernon
Becker, Ida Mae	Bus		* † Urbana
Becker, John Haerms	IED (SS)	102	* † Bloomington
Becker, Lola Fredricka	Ed	66	* † Urbana
Becker, Paul Arthur	AC (SS)	120 $\frac{3}{4}$	* † Columbus, Nebraska
Beckman, Arnold Orville	SS		Bloomington
Beckman, Harold Edward	SS	5 $\frac{1}{2}$	Bloomington
Beebe, Hamilton Keller	PreL	100	* † Chicago
Beebe, Thomas Greenleaf	Bus		* † Lombard
Beeby, Harold Jack	Jnl	28 $\frac{1}{2}$	* † Chicago
Beedle, Howard Romine	Agr	25 $\frac{1}{2}$	* † Urbana
Beedle, Paul Walter	EE	97 $\frac{1}{2}$	* † Urbana
Beedy, Emily Venice	LAS		* † Kankakee
Beedy, Harold	EE	91	* † Chicago
Beeler, Charles Ervin	AE		* † Bluffton, Indiana
Beeler, Curtis Ridley	CE	43	* † Chicago
Beem, William Earl	PreL	63	* † Champaign
Beeson, Carroll Ona	Arch	113	* † Marshall, Indiana
Beeson, Theron Henry	Agr	96	* † Marshall, Indiana
Behner, William Paul	Agr		* † Martinsville
Behrens, Catherine Schleder	LAS (SS)	96	* † Pekin
Behrens, Norbert William	PreL		* † Crete
Behrensmeyer, Grace Elizabeth	LAS		* † Quincy
Behrick, William Sanford	LAS		* † Eldorado
Beimfohr, Helen Virginia	LAS		* † Mapleton
Beirs, Mary Lucile	LAS		* † Urbana
Beiser, Carl Henry	ChE	28	* † Chicago
Belcher, John Goddard	Eng		* † Chicago
Belford, Rue Linsey	ME	79	* † Marion
Beling, Earl Henry	ME	131	* † Chicago
Belknap, Elizabeth Peirce	Ed	60	* † Mansfield, Pennsylvania
Bell, Allen Chester	AE	121	* † Chicago
Bell, Arthur Douglas	SS	7	Bloomington
Bell, Azel Lyndon	Agr		* † Buda
Bell, Carol Myrna	LAS	33	* † Barborton, Ohio
Bell, Delia Anna Nora	LAS (SS)	45	* † Pearl
Bell, Esther Virginia	LAS	27	* † Bloomington
Bell, Harry Laurence	Eng (SS)	113 $\frac{1}{2}$	* † Highland Park
Bell, Herbert	Chem	85	* † Springfield
Bell, James Charles	CL	62	* † Joliet
Bell, John Arthur	Jnl (SS)	104 $\frac{1}{2}$	* † Champaign
Bell, Maurine Elizabeth	LAS	33	* † Macomb
Bell, Mildred Adaline	LAS	15	* † Mattoon
Bell, Nellie Irene	LG	68 $\frac{1}{2}$	* † Champaign
Bell, Paul Porter	Bus	28 $\frac{1}{2}$	* † Negaunee, Michigan
Bell, Sheldon Freear	LAS		* † Joliet
Bellows, Helen Louise	LAS	31	* † Crystal Lake
Belon, Fernando	Agr		* † Arequipa, Peru
Belshaw, Florence Edith	HEAgr		* † Champaign
Belshaw, Mabel Lucina	LAS	33	* † Champaign
Belshe, Albert Thomas	CL (SS)	38	* † Chicago
Belshe, Edwin Baird	Agr	49	* † Chicago
Belting, John Theodore	SS	58 $\frac{3}{4}$	Charleston
Beltram, Peter	Bus	29	† Saunemin
Belz, Viola Frances	LAS		Chicago
Benhow, James Donald	Agr	34	* † Aurora
Benda, Francis James	Agr	35	* † Chicago
Bender, Leon Hamilton	LAS		* † Newman
Bender, Richard Earle	Bus		* † Chicago
Bendle, Clarence Joseph	Bus	43	* † Moline
Benedict, Cecil Edward	Bus (SS)	52	* † Pecatonica
Bengston, James Owen	Bus	32 $\frac{1}{2}$	* † Chicago
Bening, Walter Edward	ChE (SS)	26	* † Chicago
Benjamin, Lionel	ChE	122 $\frac{1}{2}$	* † Chicago
Bennett, Charles Donald	EE	36	* † Orangeville
Bennett, Chester Wallace	LAS		* † Urbana
Bennett, Dorothy Marie	HELAS	56 $\frac{1}{2}$	* † Wilmette
Bennett, George Lewis	AE (SS)	108	* † Champaign
Bennett, George Mepherston	AC		* † Paris, Arkansas
Bennett, Harry James	Arch Ssp		* † Williamsfield
Bennett, James Hallam	LAS	41	* † Evanston
Bennett, John Lewis	LAS		* † Chicago
Bennett, Leo Howard	SS		Wiley, Colorado
Bennett, Lois Elza	LAS	97	* † Kansas City, Missouri
Bennett, Marie	Agr unc		* † Oak Park

Bennett, William Wirt, Jr.	Bus	27	* †	Rockford
Bennitt, Fred Dwight	Bus	45½	* †	Joliet
Bennyhoff, Harry Franklin	Bus	107	* †	Vandalia
Bensema, Clarence E	PreM	15	* †	Danforth
Benson, John Benedict	Eng	44½	* †	Chicago
Benson, John Harvey	Bus	102½	* †	De Kalb
Benson, Mitchell Joseph	LAS	104½	* †	Chicago
Benson, Nelles	SS	5	* †	Decatur
Bentley, Wilbur Thorp	Jnl unc	8	* †	Detroit, Michigan
Benton, Burton	LAS	30½	* †	Elberfeld, Indiana
Benton, Curtis, A.B., 1920	LAS irr		* †	Macomb
Benzing, Allan Sawyer	EE (SS)	104½	* †	Evanston
van den Berg, Daniel Jacobus	Agr		* †	Transvaal, South Africa
van den Berg, Oliver Wolcott	LAS		* †	Urbana
Berg, Otto Walter	PreL	36	* †	Crystal Lake
Bergdahl, David Theodore	ME		* †	Chicago
Bergen, John Harwell	Agr unc		* †	Morris
Berger, Henry Kasper	Accy	65	* †	Murphysboro
Berger, Paul Jens	AE	104	* †	Davenport, Iowa
Berger, Victor Ewald	Bus	103	* †	Bremen, Indiana
Bergman, Gale McKinley	Bus (SS)	61	* †	Du Quoin
Bergmann, Alfred	Bus	32	* †	Oak Park
Bergmann, Otto Theofeld	Bus	63½	* †	Sparta, Wisconsin
Bergquist, Carl Frederick	CE	101	* †	Geneva
Berkeley, Doris Winifred	Bus unc		* †	Chicago
Berkovitz, Ralph Gero	IA (SS)	104½	* †	Chicago
Berkowitz, Freda E	LAS	41	* †	Mattoon
Berkowitz, Philip	Accy	33	* †	Bayonne, New Jersey
Berkowitz, Ralph Albert	PreL		* †	Chicago
Berkson, Milton Bernard	Bus		* †	Clinton
Berleman, Edward Laurence	Agr	19½	* †	Chicago
Bermingham, Evelyn	Jnl	17	* †	Lincoln
Bernhardt, Irene Marguerite	HE Agr	68	* †	Collinsville
Bernreuter, Herbert Alphonso	EE	82	* †	Mt. Olive
Bernstein, Madeline	HELAS		* †	Chicago
Berry, David Sam	Bus		* †	Chicago
Berry, Harold Harmon	Bus		* †	Greenville
Berry, Louise	LAS	32	* †	Oak Park
Berry, Richard Joseph	Bus	99	* †	El Paso
Berryman, Robert	SS		* †	Winchester, Kentucky
Bert, Archie Leon	LAS	86	* †	Quincy
Bertalan, Edward	ME (SS)	77½	* †	Edwardsville
Berthold, Herbert Charles	Eng		* †	Aurora
Beshers, Martha	LAS	52	* †	El Paso
Besse, Helen Philippa	LAS	65½	* †	Chicago
Best, Marion Virginia	LAS	64	* †	Quincy
Best, Wilbur Thomas	SS	8½	* †	Fairbury
Bettendorf, Francis Elmer	Bus		* †	St. Anne
Betts, Paul Watrous	RT	61	* †	Chicago
Beverly, Grant Elmer	Eng	35	* †	Elgin
Beyer, Norman Arthur	SS	8½	* †	Cleveland, Ohio
Bhagawan, Bangalore Krishna	EE (SS)	25½	* †	Hydrabad, India
Bhushan, Vidiya	EE	120	* †	Srinagar, India
Bickel, Herbert George	Jnl	69	* †	Bloomington
Bickel, John Jay	FC	22	* †	Union City, Indiana
Bidwell, Gladys Jane	Mus	2	* †	Freeport
Biel, Louis Alfred	Bus		* †	Chicago
Bierdemann, Richard Alfred	CL	25½	* †	Chicago
Biersmith, Elizabeth Kathryn	Bus	29	* †	Chicago
Biespiel, Leonard Samuel	Bus	82	* †	Chicago
Bigler, Vernon Christian	Bus		* †	Sigel
Bilenkin, Gelbert	Bus		* †	Dayton, Ohio
Billerbeck, Ernest Raymond	Arch	105½	* †	Freeport
Billing, Albin Godfred	Ed	95	* †	Lockport
Billings, Percy Herbert	Bus	28	* †	Woodstock
Bills, Edna Charlotte	LAS	42	* †	Chicago
Bills, Robert Wesley	Agr	62½	* †	Sheffield
Bine, Donald Arthur	MinE		* †	Rosedale, Kansas
Binger, Gilbert Seip	CE		* †	Chicago
Bingley, Charles Kolb	Agr	60	* †	Chicago
Binnington, Nora Louise	Agr	66	* †	St. Louis, Missouri
Binyon, Hugh Armstrong	MinE		* †	Urbana
Binyon, Mrs. Josephine Armstrong	SS	7½	* †	Urbana
Birchard, Margaret Vera	HELAS		* †	Urbana
Birchett, Raymond Clarence	AE		* †	Vicksburg, Mississippi
Bird, James Perry	SS	22½	* †	Kansas City, Missouri
Birks, Jesse Bernerd	Bus	61	* †	Harristown
Birtwell, Galan R	Agr	22	* †	Streator
Bischoff, Henry Albert	LAS		* †	Chicago Heights
Bischoff, Rudolph Joseph	Accy (SS)	105	* †	Pinckneyville
Bisesi, Joseph Louis	REE	110	* †	Chicago
Bishop, Evangeline	LAS	88	* †	Bishop
Bishop, Irene Belle	HELAS		* †	Chicago
Bishop, John Lester	PreM		* †	Chicago
Bishop, Oren George	Bus		* †	Bishop
Bishop, Samuel Dewey	SS	103½	* †	Perry, Missouri

Bissell, Cushman Brewer	PreL	102	* † Chicago
Bissell, Donald Adrian	EE	16½	* † Chicago
Bissell, Lura Dorothea	LAS		* † Chicago
Bivans, Kenneth Rockwell	LAS	33	* † La Grange
Bivans, William E	AC	29	* † Alvin
Bixler, David Claire	PreM		* † Cynthiana, Indiana
Bixler, Rudy Baxter	Bus	75	* † Haubstadt, Indiana
Black, Christopher Columbus	SS	8½	* † Grayville
Black, Cora Mildred	LAS		* † Chicago
Black, John Arthur	LAS		* † Indianapolis, Indiana
Black, Luther Allen	Agr (SS)	61	* † Urbana
Black, Raymond Henderson	Bus	85	* † Rock Island
Black, Robert Alexander	CE	125	* † Chicago
Black, Robert Wesley, Jr.	LAS		* † Chicago
Black, Vernon Lawrence	Jnl		* † Springfield
Blackard, William James	PreM	32	* † Harrisburg
Blackburn, Rachel	LAS	36	* † Urbana
Blackburn, Robert Reid	LAS		* † Wauconia
Blackburn, Ruth	LAS	32	* † Urbana
Blacker, Arthur Frank	Bus		* † Bondville
Blackhall, Dorothy Marie	LAS		* † Joliet
Blackman, Cyrene Elizabeth	SS	130	* † Lebanon, Indiana
Blaine, Helen Louise	LAS		* † Champaign
Blaine, Jesse L	Bank	98	* † Chicago
Blaine, Mrs. Nelle Griffith	Mus unc	6	* † Champaign
Blair, Edward Harold	SS	6½	* † Fayetteville, Tennessee
Blair, Francis Caton	Law		* † Springfield
Blair, Grace Marguerite	SS	8½	* † Carter
Blair, James Alden	MinE	46	* † Urbana
Blair, John Philo	Bus		* † Urbana
Blair, Sarah Elizabeth, Ph.B., 1892	Lib	27	* † Alton
Blake, Donald Prouse	PreL	26	* † Chicago
Blake, Thomas Aaron	Bus		* † West Frankfort
Blakeley, Russell Harold	PreM	32	* † Fairfield
Blakesley, Gladys Adele	HELAS	61	* † Kansas City, Missouri
Blalock, James Tillman	Law	14	* † Springfield
Blanchard, Eleanor	LAS	60	* † Oak Park
Blane, John Propst	AC	34	* † Greenview
Blasey, Frank Earl	Bank	91½	* † Tiskilwa
Blemler, Herschel Mark	Bus		* † Beardstown
Blevins, James H	AC		* † Alexandria Bay, New York
Blevins, Lusettie	LAS (SS)	80½	* † Atwater
Blickhan, Norbert Alois	PreM	18½	* † Quincy
Bliss, Helen	HEAgr	65	* † St. Louis, Missouri
Blizard, Ruby Patricia	Bus		* † Logansport, Indiana
Block, Carl Frederick	Chcm	129	* † Chicago
Block, Louis	Chem	120½	* † Joliet
Block, Lyliyan Hilda	LAS	15	* † Ortonville, Minnesota
Blocker, John Garry	Bus	32	* † Dayton, Ohio
Blomberg, Carl Xerxes	SS	132½	* † Rockford
Blood, Isora Catherine	SS	6	* † Grayville
Blood, Wallace W	Bus unc	34½	* † Port Jervis, New York
Bloom, Victor Herbert	Bus		* † Chicago
Bloom, William Henry	Bus		* † Chicago
Bloomer, Helen Dorothy	LAS	95	* † Keithsburg
Blount, Earle Ellsworth	MinE		* † Oak Park
Blowitz, Samuel Donald	Bus		* † Decatur
Bluhm, Harold Charles	ChE		* † Chicago
Blum, John Henry	Bus	53	* † Collinsville
Blum, Louis Bernard	IA	105	* † Chicago
Blumenfeld, Dorothy	LAS		* † Chicago
Blumenthal, Morris A	Mus	64	* † Chicago
Blythe, John Robert	AC		* † Farina
Boak, Kathryn Isabel	LAS		* † Chicago
Boberg, Irving Ernest	CE	71½	* † Chicago
Bobsin, William Henry	Accy (SS)	78	* † Chicago
Bock, William Emory	SS	6	* † Findlay, Ohio
Bodine, Thomas McDonald	FC	32	* † Covington, Indiana
Boehme, Charles Adolph, Jr.	PreM	82	* † Rock Island
Boeker, Victor William	CErE	72	* † Edwardsville
Boerner, Alfred Loehren	Lg	98½	* † Port Washington, Wisconsin
Boerup, Raymond Henry	Agr		* † Centralia
Boettcher, Lucile Elizabeth	HELAS		* † O'Fallon
Bogardus, Hubert Everett	Bus	29	* † Belvidere
Boge, Albert	AC		* † Bessemer, Michigan
Bogue, Beulah Catherine	SHHEEd	109½	* † Bement
Bohnen, Edwin Joseph	ME	126½	* † Chicago
Bohon, Rane Samuel	Bus	97½	* † Decatur
Bohor, Rudolph Edward	SS	8½	* † Cementon, Pennsylvania
Bohr, John Donovan	LAS		* † Chicago
Boice, Ada Lenore	LAS	94	* † Champaign
Boice, Edna Irene	LAS	32	* † Champaign
Bolds, Elden Eckley	EE (SS)	130½	* † Brownstown
Bolen, Milford Louis	PreL	14	* † Maroa
Bolger, William Henry	ChE	108½	* † Chicago
Bolinger, George Noel	IA	34	* † Shelbyville

Boller, Irene Mae	<i>Agr</i>	125½	*	Chicago
Boller, Ray Phil	<i>Bus</i>		*	Chicago
Bolles, Chester Olcott	<i>Bus</i>	28½	* †	Springfield
Bollinger, Omar John	<i>Bus</i>	97	* †	Champaign
Bollman, Harry Thomas	<i>ChE</i>		* †	Springfield
Bonansinga, Frank Samuel	<i>Bus (SS)</i>	128	*	Jacksonville
Bond, Lewis Harry, Jr.	<i>CE</i>		* †	Chicago
Boner, Donald Gustine	<i>Bus</i>	98	* †	El Paso
Boner, Josephine	<i>Jnl</i>		*	Urbana
Bonifield, Alice	<i>LAS (SS)</i>	92½	* †	Decatur
Bonifield, Miriam	<i>LAS (SS)</i>	76	* †	Decatur
Bonnen, Evelyn Gertrude	<i>LAS</i>		* †	Urbana
Bonnet, James Herbert	<i>EE</i>		* †	Strasburg
Boodel, Ambrose E	<i>CL</i>	28	* †	Belydère
Booker, Alpheus Watt	<i>PreL</i>		* †	Chicago
Booker, Courtland Spencer	<i>ME</i>	115½	* †	Washington, D.C.
Boone, Franklin McCormack	<i>Agr</i>	24	* †	Warren
Boord, John Harmison	<i>Bus</i>	66	* †	Springfield
Boorn, Philip Henry	<i>IA</i>	45	* †	Chicago
Boot, George William, Jr.	<i>RCE (SS)</i>	76½	*	Evanston
Booth, Robert Webster	<i>Bus (SS)</i>	61½	* †	Chicago
Bopp, Clarence Ernest	<i>Bus (SS)</i>	6	* †	Decatur
Borgeson, Carl Andy Berthal	<i>EE</i>	35	* †	Rockford
Borgfeldt, Lillian Lucille	<i>Ed</i>	69	* †	Wilmette
Borgmeier, Paul John	<i>Accy</i>	32	* †	Bicknell, Indiana
Boring, Benjamin Franklin	<i>SS</i>	129		Robinson
Boris, Edward Alfons	<i>Eng</i>	61	* †	Chicago
Boris, Henry Langdon John	<i>EE</i>	78½	* †	Chicago
Borklund, Carl Ernest	<i>Jnl</i>		* †	Aledo
Borland, Harold Robert	<i>CerE</i>	168	*	Peoria
Borling, John Raymond	<i>IA</i>		* †	Chicago
Born, Wilbur Leo	<i>Agr</i>	30	* †	Cerro Gordo
Borough, William Ray	<i>LAS</i>	87½	* †	Lawrenceville
Borrer, Bernice Dollie	<i>HEAgr</i>		* †	Rossville
Borrer, Charles Donald	<i>MinE unc (SS)</i>	17	*	Rossville
Boseley, Harry Robinson	<i>EE</i>		* †	Oak Park
Boshell, Edward Owen	<i>Bus</i>	102	* †	Melvin
Boshkopf, George John	<i>ME</i>	180	* †	Sofa, Bulgaria
Bossen, Grace Margaret	<i>LAS</i>	70	*	Clinton, Iowa
Boster, Delbert Eugene	<i>SS</i>	6	*	Gallipolis, Ohio
Boston, Elmer Sawyer	<i>Agr</i>	2½	*	Earlville
Boston, Roy Dewhirst	<i>PreM</i>		*	Kinmundy
Bosworth, Alfred Wellington	<i>PreL</i>		* †	Chicago
Bosworth, Irma Lorraine	<i>LAS</i>		* †	East St. Louis
Bothwell, Robert Ord	<i>Agr unc (SS)</i>	60½	* †	Warren
Botts, Martha Elizabeth	<i>SS</i>	17	*	Portland, Oregon
Botz, Andrew	<i>Accy</i>	32	* †	Argo
Bouchard, Joseph William	<i>SS</i>	1½	*	Hartford, Connecticut
Boucher, Edna Lynette	<i>HELAS</i>		* †	Carbondale
Bouin, Juliette Camille	<i>LAS</i>	96	* †	Bordeaux, France
Bourgue, Abel Jean	<i>SS</i>	5	*	Aft, France
Bourland, Theodore Preston	<i>LAS (SS)</i>	105	*	Pontiac
Bousquet, Euclid Wilfred	<i>IA unc</i>	35	* †	Auburn, Rhode Island
Boutwell, Helen Irene	<i>LAS</i>	32	* †	Waukegan
Bowditch, Laurence Joseph	<i>ME</i>	82	* †	Urbana
Bowen, Clarence Robinson	<i>IA</i>	82	* †	Chicago
Bowen, Clarence William	<i>Bus</i>	74	* †	Urbana
Bowen, Cromwell	<i>ME</i>	112	* †	Wilmette
Bowen, Harold N	<i>Accy</i>	16½	* †	Urbana
Bower, Oliver Kenneth	<i>LAS (SS)</i>	75	* †	Hindsboro
Bowerman, Harvey Francis	<i>Bus</i>		* †	Salt Lake City, Utah
Bowers, Arthur Cleve	<i>SS</i>	8	*	Yankton, South Dakota
Bowers, George Dewey	<i>SS</i>	14	*	Canton, Ohio
Bowers, Roscoe Rufus	<i>PreM</i>	32	* †	Carbondale
Bowes, Jack Purvis	<i>AE unc</i>		*	Hinsdale
Bowlin, Francis Kelshaw	<i>Bus</i>		* †	Chicago
Bowly, Devereux Leslie	<i>Bus (SS)</i>	82½	* †	Winchester, Virginia
Bowman, James Arthur, Jr.	<i>Bus</i>	26	* †	Little Rock, Arkansas
Bowman, John Stanley	<i>Bank</i>	106½	* †	Rockford
Bown, Albert Joseph	<i>PreM (SS)</i>	47½	* †	Canton
Boyce, Alberta Caroline	<i>HELAS</i>	61½	*	Tuscola
Boyce, Paul Roosevelt	<i>ME</i>	36	* †	Chicago
Boyd, James Aubrey	<i>AE</i>	36	* †	Little Rock, Arkansas
Boyd, John Richard	<i>PreM</i>		* †	Coulterville
Boyd, John William	<i>Bus</i>	32	* †	Lewistown
Boyd, Orby Cecil	<i>Eng</i>	72	* †	Aurora
Boyd, Paul Vero	<i>LG unc (SS)</i>	25	* †	Dudley
Boyd, Ralph	<i>Bus</i>		* †	White Hall
Boyer, Amedee Riley	<i>AC</i>		* †	Colorado Springs, Colorado
Boyer, Charles Allen	<i>Agr</i>	45	* †	Findley
Boyer, Mrs. Edward Sterling	<i>SS</i>		*	Kibbie, Michigan
Boyle, John Kenneth	<i>Accy</i>	67	* †	Urbana
Boyle, Louis Albert	<i>Agr</i>	119	*	Hennepin
Boyle, Marie Agatha	<i>LAS (SS)</i>	91	* †	Urbana
Boyle, William Charles	<i>EE</i>		* †	St. Louis, Missouri
Boynton, Frederick Langham	<i>ME</i>	82½	* †	Sycamore

Boynton, Gail	SS	8	* † Iuka
Boynton, Mary Elizabeth	HELAS	20	* † Sycamore
Bozarth, Byron	PreL	48	* † Staunton
Bracy, William Layne	Accy	97	* † Cartersville
Bracy, William Wayne	EE		* † Salem
Bradbury, Thomas Bruce	LAS	60	* † Riverside
Braden, Edward Fleming	PreL	64	* † Watseka
Braden, Helen Marie	LAS	79	* † Terre Haute, Indiana
Bradford, Charles Maurice	ME		* † St. Louis, Missouri
Bradish, Cyrus Peck	SHAEEd (SS)	106	* † Champaign
Bradley, Helen Gladys	Bus (SS)	17	* † Champaign
Bradley, Martha Elizabeth	Mus	34	* † Champaign
Bradley, Richard Smith	CerE	98	* † Bement
Bradshaw, Booker Talmadge	Bus	29	* † St. Louis, Missouri
Bradshaw, Carroll Wilson	Bus	111	* † Fairfield, Iowa
Bradshaw, Kenneth Earle	PreM		* † Murphysboro
Bradt, Andrew Glidden	Bank	115	* † DeKalb
Bradt, Elizabeth	LAS	95	* † DeKalb
Brady, Dorothy Adams	LAS	28	* † Champaign
Brady, Edward Bart	EE	37	* † Balboa, Canal Zone
Brady, Ralph Waldo	REE	85½	* † Windsor
Brady, Ruth Emily	Ed (SS)	93	* † Champaign
Brady, Zoe Elma	LAS	62	* † Chicago
Bragg, Alexander Shelby	LAS		* † Champaign
Bragg, Jubie Barton	SS	15¾	* † Talladega, Alabama
Braker, Elmer John Augustus	EE		* † Pleasant Plains
Bramble, Byron Eugene	Bus	27	* † Champaign
Brame, Wilbur Carl	Bus	65	* † Le Roy
Bramlet, Heyward Chesley	Bus	51	* † Harrisburg
Bramlet, Robert Quincy	Bus		* † Harrisburg
Bramschreiber, Harry Arthur	Bus		* † Shawano, Wisconsin
Branch, Clarendon Oliver	EE	65	* † Rochelle
Branch, William Lyman	Bus		* † White Heath
Brandenberger, Arthur Russell	PreM	33	* † Danville
Brandt, Walter Edward	Chem	102	* † Davenport, Iowa
Branham, Camille Dickson	LAS	27	* † Chicago
Brannan, Ruth	LAS	65	* † Albion
Brannon, Gail Burton	Mus unc		* † Pontiac
Bransfield, Mary Ellen	LAS	65	* † Chicago
Bratcher, Orville Lee	LAS		* † Colfax
Braucher, Ralph Loren	Accy	101¾	* † Bement
Braun, Leonard Henry	IA	99	* † Joliet
Brauner, Ernest Richard	CerE	37	* † Chicago
Brazee, Wilmont Leon	EE	37	* † Chicago
Brazier, Catherine Beatrice	LAS	95	* † Washington, D. C.
Braznell, Edward Eber, Jr.	Eng		* † St. Louis, Missouri
Bredenbeck, Frederick William	Bus	35	* † Melrose Park
Breed, Charles Warren, Jr.	LG		* † Western Springs
Breese, John	LAS		* † Champaign
Bregman, Reuben	FOM	32½	* † Chicago
Bregman, Robert Bertram	Bus		* † Chicago
Brehm, Helen Evelyn	Jnl	100	* † Washington, D. C.
Bremer, Edwin	MinE	35	* † Buffalo, New York
Brennan, James Edward	ME	36	* † Streator
Brennan, James Thomas, Jr.	SS	144	* † St. Louis, Missouri
Brennan, Jessica Wilma	Bus (SS)	108½	* † Urbana
Brenneman, Theodore Jacob	ME		* † Peru
Brenneman, Wayne William	Jnl (SS)	40	* † Cerro Gordo
Bresce, Howard Russell	Bus	27½	* † Urbana
Bresce, Paul Kirk	Agr	101	* † Urbana
Brewer, Clarence L	SS		* † Urbana
Brewer, Fred Samuel	SHAAgr	104¾	* † Atwood
Brewer, Helen Harrington	SS	26	* † Urbana
Brewer, Kenneth Moore	CE		* † Broadlands
Brewer, Leon David	EE	36	* † Philo
Brewster, Lena Pauline	LAS	26	* † Pine Bluff, Arkansas
Brewster, Walter Herbert	SS	22½	* † Byron
Brey, Mildred Marie	LAS	63¾	* † Dundee
Brickhouse, Linwood Leonard, A.B., 1922	Law	28	* † Little Rock, Arkansas
Bridge, Edward Mervin	SS	8	* † Hazardville, Connecticut
Bridson, Myrtle Lillian	HEAgr	96½	* † Princeville
Brierton, Bennie Emanuel	ME (SS)	73	* † Urbana
Briggs, Alfred Warren	Bus	102½	* † Morrison
Briggs, Frances Agnes	LAS		* † Metamora
Briggs, Virgil Thomas	Jnl		* † Orangeville
Bright, John William	REE	123	* † Chicago
Bright, Kenneth Alfred	Arch (SS)	98¾	* † Terry, Montana
Brightwell, James Erskin	Bus	56	* † Aurora
Brink, Millard Charles	ME (SS)	60	* † Woodstock
Brinton, Jane	LAS	29	* † East St. Louis
Briscoe, Ruth Shirley	SS		* † Casey
Brissenden, Walter Frederick	LAS		* † Chicago
Bristow, Knowten Warren	Ed	69½	* † Paris
Brittain, Henry Wheeler	Law	50	* † Quincy
Britton, Benson Elsworth	Bus	96½	* † Mounds
Britton, Earl Tanner	AC		* † Elgin

Britton, Elsie Mae	LAS		* Tilden
Britton, Harry B	CE	73½	* † Sesser
Britton, Waldo Vincent	FC (SS)	26½	* † Tilden
Broadbear, Grace Mary	Bus		* † Waukegan
Broadhurst, Tabitha Jayne	Mus unc	13	* † Champaign
Brock, Isabel Margaret	LAS	33	* † Waynesburg, Pennsylvania
Brock, John Howard	FOM	32	* † Kankakee
Brock, Laurence Wayne	CL		* † Bethany
Broderick, Aubrey Ernest	Chem (SS)	48	* † Liberty
Broderick, James Richard	EE		* † East St. Louis
Broderick, Thomas Abdon	AE		* † Morris
Brodie, Julius	Ed	69	* † Baltimore, Maryland
Brodman, Irene Clarice	LAS	33	* † Beardstown
Brokaw, Eugene Caldwell	EE (SS)	88	* † Cincinnati, Ohio
Bromm, Carl Reinhold	Bus	102	* † Evansville, Indiana
Bronski, Chester Russell	EE	80½	* † Chicago
Bronson, Ethel Lucille	CCS (SS)	118	* † Chicago
Bronson, George Durrill	AC		* † Urbana
Brooke, Charles Toan	LAS		* † Plymouth, Indiana
Brooks, Charles Wayland	SS	50	* † Payson
Brooks, Dorothy, A.B., M.A., 1922	Lb		* † Norman
Brooks, Eron Bennett	RCE	58	* † Champaign
Brooks, Eugene Sheffner	Ia	92	* † Eanston
Brooks, James Oliver	Accy	47	* † Wilmette
Brooks, James Read	Accy	100	* † Chicago
Brooks, Margaret Elizabeth	LAS	36	* † Chicago
Broome, Stanley Oswald	AC	69	* † Rock Island
Brosman, Paul William	Law	29	* † Albion
Brosseau, Pierre	LAS		* † Chicago
Brothen, Hans Otto	Bus	26	* † Chicago
Browman, Mabel Julia	SS	71½	* † Rockford
Brown, Alice Knox	LAS	8½	* † Gillespie
Brown, Alto William	PreL	8	* † Plymouth, Ohio
Brown, Bernice Jeannette	LAS	33	* † Varna
Brown, Carl H	Bus	43½	* † Medina, New York
Brown, Cecil David	PreM	66½	* † Harristown
Brown, Charles Addison	Bus		* † Ciasna Park
Brown, Chelsea Elmore	Bus	10	* † Fort Wayne, Indiana
Brown, Constant	Bus	61	* † Geneseo
Brown, David Era, B.S., 1921	SS		* † Urbana
Brown, Edna Alpharetta	LAS (SS)		* † Chicago
Brown, Elizabeth	HEAgr	98	* † Sparta
Brown, Elmer Burtwell	FC (SS)	45	* † Canton
Brown, Everett Anson	Bus	35	* † Naperville
Brown, Frank Olney	Bus	33	* † Wilmette
Brown, Fred Lenard	AC		* † Westville
Brown, Frederick Joseph, Jr.	IA	20½	* † Grand Rapids, Michigan
Brown, Gilbert William	Agr	68	* † Geneseo
Brown, Gladys May	LAS	64	* † Oak Park
Brown, Hartley Bruce	Bus		* † Kansas City, Missouri
Brown, H LeRoy	SS	14	* † Chicago
Brown, Horace Batchelder	Agr		* † Harristown
Brown, Howard Elsworth	Agr	100	* † Vermont
Brown, Irwin Stanley	Bus	27	* † Carlinville
Brown, John Columbus	Bus		* † Herrin
Brown, Kenneth Robb	Eng	24½	* † Rock Falls
Brown, Laurence Townsend	EE		* † Altona
Brown, Lefay F	Bus	61	* † Henning
Brown, Louise Grace	LAS		* † Chicago
Brown, Louise Miriam	LAS	61½	* † Urbana
Brown, Lyle Rebecca	LAS	65	* † Momenca
Brown, Margaret Pearl	LAS	31	* † Dwight
Brown, Morris	ChE (SS)	94½	* † Sparta
Brown, Orville Horace	PreM	35	* † Pocahontas
Brown, Ralph David	SS	7	* † Elgin
Brown, Raymond Calvin	SS	64	* † Eldorado
Brown, Robert Gerald	Bus	35	* † Haydenville, Massachusetts
Brown, Roy Rivers	EE	53	* † Chicago
Brown, Ruth Adams	Bus	101	* † Chicago
Brown, Tempel Gladys	LAS	26	* † Leon, Iowa
Brown, Virginia Louise	LAS	33	* † Benton
Brown, Wallace Eaton	Bus		* † Varna
Brown, Warren Yates	Bus		* † Saranna
Brown, William Robins	Bus	29	* † Kansas City, Missouri
Brown, Winnifred Urline	LAS (SS)	103½	* † Carmi
Brownback, Glen Read	Agr		* † Tower Hill
Browne, Robert Bell	SS	130	* † Carbondale
Brownell, Dean Glenn	AC	33½	* † Champaign
Browning, Levi Martin	PreM		* † Benton
Brownlee, John James	EE		* † Chicago
Brownstein, Henry Joe	ChE	71	* † Chicago
Bruce, Albert White	ME	37	* † Oak Park
Bruce, Clara Belle	Jnl	32	* † Springfield
Bruce, Russell Rolland	Bus		* † San Benito, Texas
Brueckmann, Frank George	CE	96½	* † Polson, Montana
Bruhn, Elmer F	CE	114	* † Urbana

Bruington, George Hall	<i>Agr</i>	69½	*	Monmouth
Brumbaugh, Louise Alice	<i>LAS</i>		* †	Fort Wayne, Indiana
Brummett, Ray DeWitt	<i>SS</i>	19		Greenrille
Brune, Basel Harry	<i>Bus</i>		* †	Champaign
Bruner, Allen Maxwell	<i>PreM</i>	48	* †	Palestine
Bruner, Helen Harrington	<i>LAS</i>	26	* †	Urbana
Brunkow, Florence	<i>LAS</i>	106	* †	Dubuque, Iowa
Brunkow, Fred Wallace	<i>Arch</i>		* †	Dubuque, Iowa
Brunkow, Myrtle Maude	<i>LAS</i>	11	* †	Dubuque, Iowa
Brunkow, William Henry	<i>ME</i>	73	* †	Dubuque, Iowa
Brunn, Fred William	<i>RCE</i>	4	* †	Kansas City, Missouri
Brunnemeyer, John Emil	<i>Bus</i>	57½	* †	Aurora
Bruns, Melvin William	<i>CE</i>	107	* †	St. Charles, Missouri
Bruns, Ralph George	<i>Bus</i>		* †	Elmhurst
Bruso, Edgar Bradford	<i>Eng (SS)</i>	83	* †	Decatur
Bruso, Louis Philip	<i>PreM</i>	8	* †	Decatur
Bryan, Malcolm Honoré	<i>LAS (SS)</i>	72½	* †	Champaign
Bryan, Robert Edward	<i>AE</i>	60	* †	Indianapolis, Indiana
Bryant, Ferrell Edwin	<i>Bank</i>		* †	Shelbyville
Bryant, Forrest Jennings	<i>PreM</i>	35	* †	Hindsboro
Bryant, Grace Alice	<i>LAS</i>		* †	Oak Park
Bryant, Walter James	<i>LAS</i>	8	* †	Honolulu, Hawaiian Islands
Bryant, William Shepard	<i>EE</i>		* †	Chicago
Buchanan, Donald Partridge	<i>MinE</i>	60	* †	Highland Park
Buchanan, Lloyd Jory	<i>LG</i>	104	* †	Whiting, Indiana
Buchanan, Marjorie	<i>LAS</i>	47	* †	Champaign
Buchanan, Walter Ives	<i>ME</i>		* †	Metropolis
Buchheit, George Clifford	<i>SS</i>	141⅔	* †	Beardstown
Buck, Glen Leonard	<i>Agr</i>	108⅓	* †	Moline
Buck, Herbert Jules	<i>Bus</i>	32	* †	Davenport, Iowa
Buck, Mary Louise	<i>HELAS</i>		* †	Toledo, Ohio
Buckardt, Henry Lloyd	<i>LAS</i>		* †	Leland
Buckley, Edgar A	<i>AC</i>		* †	Sheldon
Buckley, Lillie Mary	<i>LAS</i>	100⅓	* †	Champaign
Buckley, Roberta Josephine	<i>LAS</i>		* †	Champaign
Bucknell, Roger Winston	<i>Bus</i>	51	* †	East St. Louis
Budan, Sylvia	<i>LAS</i>	95	* †	Chicago
Buddeke, V Frank	<i>EE</i>	73	* †	Peru
Budelier, Harry Edward	<i>Eng</i>	59½	* †	Rock Island
Budenbender, Henry William	<i>ME</i>	73	* †	Cicero
Bueche, Arthur Henry	<i>AC</i>	41⅓	* †	Elgin
Bueche, George Victor	<i>Bus</i>	32	* †	Elgin
Buehler, Robert Owen	<i>LAS</i>		* †	Chicago
Buehler, Walter Anthony	<i>AE</i>	107	* †	Whiting, Indiana
Buelow, Frederick George	<i>Chem</i>	8	* †	Menominee, Michigan
Buescher, Walter Henry Simon	<i>Bus</i>	51	* †	Freelandville, Indiana
Buhrmester, Catherine Caroline	<i>Ed (SS)</i>	79	* †	Nashville
Bulkey, Helen Elizabeth	<i>LAS</i>	99⅔	* †	Libertyville
Bulley, Allan Edgar	<i>CE</i>	112	* †	Kenilworth
Bullis, Joy Miller	<i>Bus</i>		* †	Topeka, Kansas
Bullman, Theodore	<i>Agr</i>	35	* †	Alexis
Bullock, Lucile Salisbury	<i>HELAS</i>	94⅓	* †	Tonica
Bullock, Margaret Helen	<i>LAS</i>	98	* †	Earlville
Bulow, Wilma Ernestine	<i>LAS</i>	33	* †	Chicago
Bundy, Margaret McNally	<i>LAS</i>		* †	Centralia
Bundy, Orvyl Vey	<i>LAS</i>		* †	Windsor
Bunge, Gordon Carl	<i>Law</i>	7	* †	Maywood
Bunting, James David	<i>Bus</i>		* †	Albion
Bunting, William Lyman	<i>EE</i>	60	* †	St. Joseph, Missouri
Burch, Laurence Arthur	<i>ME</i>	103	* †	Momence
Burchell, Leland Crowl	<i>Bus</i>		* †	Erie
Burcky, Andrew C	<i>SS</i>	106		Tiskilwa
Burgoner, Harry	<i>IA</i>		†	Hillsboro
Burger, Jerome	<i>IA</i>		†	Youngstown, Ohio
Burger, Robert John	<i>SS</i>			Chicago
Burgess, Ann Kathleen	<i>PrCL</i>	3	†	Fairfield
Burk, Vivian	<i>LAS</i>	128⅓	†	Decatur, Indiana
Burke, Elmer Daniel	<i>AC</i>	74	* †	Champaign
Burke, Richard Brown	<i>Bus</i>	29	* †	Chicago
Burke, Sterling Clinton	<i>Bus</i>	51	* †	San Antonio, Texas
Burkett, Charles Fay	<i>Bus</i>	8	* †	Union City, Indiana
Burkholder, Fred Haydn	<i>SS</i>			Lansing, Michigan
Burley, Ruth Elizabeth	<i>LAS</i>	5	* †	La Grange
Burmeister, Bernice Baird	<i>LAS</i>	36	* †	Morris
Burnell, Edwin	<i>Accy</i>	30	* †	Spring Valley
Burnell, Seraphine	<i>SS</i>	6	* †	Champaign
Burnell, William Abel	<i>MinE</i>		* †	Spring Valley
Burner, Jarvis Burr	<i>Agr (SS)</i>	81½	* †	Peoria
Burnett, James Lawrence	<i>MinE</i>	73	* †	Eldorado
Burnett, Oliver Forrest, Jr.	<i>EE</i>		* †	Maywood
Burnham, Grace Isabelle	<i>LAS</i>		* †	Chicago
Burnier, Mary Louise	<i>LAS</i>		* †	Urbana
Burns, Eugene Robert	<i>Mus unc</i>		* †	Coulterville
Burns, Johnson Greer	<i>Chem</i>	106	* †	Greenfield
Burns, Randall Essex	<i>LAS</i>	71	* †	Hinsdale
Burns, Sanford Robey	<i>SS</i>	10½		Washington, D. C.

Burns, Winifred Grace	LAS	60	* †	Homer
Burnside, Evangeline Bernice	LAS	67	* †	Abingdon
Burpo, Helen Lucille	LAS	37	* †	Urbana
Burrell, Floyd Myron	Chem	66	* †	Galesburg
Burrell, Kenneth Michael	LAS		* †	Tuscola
Burres, Joseph Reuben	LAS	28	* †	Tuscola
Burris, Joseph Gorman	LAS	37½	* †	New Castle
Burris, Quincy Guy	LAS	78	* †	Danville
Burritt, Lewis Everett	FC	86	* †	Rockford
Burroughs, Josephine Arnold	HELAS		* †	Chicago
Burroughs, Leland Clare	CerE		* †	Wood River
Burrows, Elzada Loree	LAS		* †	New Harmony, Indiana
Burrows, Vernon Leslie	Bus	14½	* †	Champaign
Burster, Lillie Mae	LAS	86½	* †	El Paso
Burster, Otto George William	Bus		* †	El Paso
Burt, Brian Parker	MinE	68½	* †	Kenney
Burt, Clarence Edward	Agr	39½	* †	Savoy
Burt, Henry Jackson, Jr.	CE	36	* †	Wilmette
Burt, Nathan Beecher	EE		* †	Savoy
Burt, Pauline Dorothy	HEAgr		* †	Urbana
Burton, William Jennings	ME	111	* †	Murphysboro
Busch, Lois Eleanor	LAS		* †	Champaign
Busenbark, Alfreda Margaret	LAS		* †	Chicago
Busey, Catharine Mary	Mus unc		* †	Champaign
Busey, Marguerite Jeannette, B.S., 1920	LAS irr		* †	Urbana
Bush, Della Mae	HELAS (SS)		* †	Clinton
Bush, Franklin Hubbard	Bus	80	* †	Joliet
Bush, Ralph Royal	ME	102½	* †	Yakima, Washington
Bushman, Joseph Robert	CE	69	* †	Omaha, Nebraska
Bushnell, Donald Henderson	CE		* †	Quincy
Bushnell, Glenna Marie	LAS		* †	Chicago
Buskirk, Naomi Irene	LAS		* †	Westville
Bussart, Ora Ivan	SS	100		Paris
Bussell, Helen Katherine	LAS	101	* †	Greensburg, Indiana
Bussian, Marie Antoinette	Bus	64	* †	Chicago
Buswell, Constance Anna, A.B., 1916	Mus irr		* †	Waterloo, Iowa
Butler, Eugene Kincaid	Bus		* †	Chicago
Butler, Everett Hill	PreL	22	* †	Hillsboro
Butler, Jennie R	HELAS	46	* †	Lebanon, Indiana
Butler, Louise Mildred	Mus (SS)	18	* †	Belleville
Butler, Ruth Eliot	HEAgr	98	* †	Indianapolis, Indiana
Butler, Seta	HELAS	10	* †	Memphis, Tennessee
Butman, John Edward	ME	107	* †	Chicago
Butner, Wendell Boise	PreM	27½	* †	Harrisburg
Buttell, Alan Johnson	Jnl		* †	Steger
Butterbaugh, Homer Wolf	ME	119½	* †	Lanark
Butterfield, Paul Kenyon	AC	27	* †	Detroit, Michigan
Butters, Howard Erb	MinE	37	* †	Chicago
Butts, Ruby Darlene	Jnl (SS)	110	* †	Harvard
Butz, Jesse Samuel	PreL	23½	* †	Urbana
Byers, John Earl	CerE		* †	Robinson
Byrne, Floyd Allen	Agr unc	8	* †	Saukemin
Byrne, Frankie Helen	LAS	33	* †	Indianapolis, Indiana
Byrne, John Walter	PreM		* †	La Salle
Bysack, Bhupenda N, B.S., M.S., 1921, 1922	Mus irr		* †	Calcutta, India
Cackley, Claibourne Thornton	Bus	66½	* †	Clinton
Cadaval, Alfonso Gonzalez	CE		* †	Durango, Mexico
Cade, Helen	SHHEEd	117	* †	Urbana
Cadenhead, George Lorimer	ME	94	* †	Winnetka
Cadwell, Charles Stewart	IA	86½	* †	La Grange
Cadwell, Harold Edgar	SS	117½	* †	Rockford
Cain, Con Rice	PreM (SS)	38½	* †	Rantoul
Cain, John Richard	LAS unc		* †	Urbana
Cain, Joseph Ignatius	ME	76	* †	Rock Island
Cain, Lulu, A.B., 1922	SS		* †	Augusta
Caine, Alfred Bergen	AC		* †	Nunda, New York
Calcutt, Carney Cornelius	Bus		* †	Dyersburg, Tennessee
Caldon, Harold A	ME unc (SS)	12	* †	New London, Tennessee
Caldwell, Alfred	LG	12½	* †	Chicago
Caldwell, Cloyd Transue	CerE	44	* †	New Brighton, Pennsylvania
Caldwell, Helen Louise	LAS	100	* †	Decatur
Caldwell, John Franklin	Bus		* †	Springfield
Calene, Edwin LeRoy	ME	127½	* †	Sylvan Grove, Kansas
Calkins, Fredrick T	AE		* †	Chicago
Calkins, Perry Shaul	LAS	111½	* †	Freeport
Callen, Robert John	EE	35	* †	Collinsville
Calliban, Alfred Callis	Bus		* †	Huntington, West Virginia
Calvert, Mills La Mott	CE	71	* †	Laurerenceville
Calvetti, Theresa Louise	LAS	26	* †	Rutland
Cameron, Allan Marshall	ME	16½	* †	Chicago
Cameron, Edmund Francis	Bus	86	* †	Dundee
Camp, Chester Bennett	SHAAgr (SS)	116½	* †	Cosner
Camp, Mildred, A.B., 1912	Lib		* †	Harristown
Camp, William Lyman	LAS	95	* †	Corning, Iowa
Campbell, Charles R	EE		* †	Urbana

Campbell, Eugene Shuey	Bus (SS)	96	* † Tuscola
Campbell, Gladys Evelyn	LAS	103	* † Oklahoma City, Oklahoma
Campbell, Logan S	SS	47	* † Traer, Iowa
Campbell, Marion Laura	Bus		* † Hubbard Woods
Campbell, Marjorie Maude	SS	1½	* † Portland, Oregon
Campbell, Newell Frank	FC	32	* † Valparaiso, Indiana
Campbell, Ralph Elbridge	Bus	33	* † Grand Ridge
Campbell, Ronald Kenneth	LAS	71	* † Hubbard Woods
Campbell, Walter Edward	Arch	81	* † Peoria
Canada, Anna Alice	LAS	64½	* † Jamestown, Indiana
Canaday, James	FC	12½	* † Georgetown
Canedy, Cecil Adelbert	Agr	101	* † Mt. Carmel
Cannon, Clarence Ray	AC		* † Shabbona Grove
Cannon, John Deering	Accy	101	* † Chicago
Cannon, Keith Robertson	CE		* † Barrington
Cannon, Robert Simpson	EE		* † Little Rock, Arkansas
Canter, Mrs. Edna Maloy	LAS	60	* † Champaign
Canter, Howard Vernon, Jr.	LAS		* † Champaign
Cantrell, Helen Naomi	LAS	17	* † Danville
Cantrell, Tilman Bethel	Law	49½	* † Benton
Canup, Charles Emmet	SS	8½	* † Summitville, Indiana
Cape, Alice Gertrude	SS	8	* † Eldorado
Cape, Bertha Mae	SS	9½	* † Eldorado
Cape, Ruth Charlotte	SS	10	* † Eldorado
Caplin, Victor	LAS	39	* † Chicago
Capouch, Myron Edwin	MinE	110½	* † Oak Park
Card, Hamilton Hye	LAS unc		* † Champaign
Cardiff, Marguerite Irene	HELAS		* † Hoopetown
Carey, Cecelia	LAS	58	* † Joliet
Carey, Genevieve Harriett	LAS		* † McHenry
Carey, Cecil Vernon	Bus		* † Haskell, Oklahoma
Carhart, John Chalmers	CerE		* † Wayne, Nebraska
Carhart, Ralph Miller	CE	76	* † Wayne, Nebraska
Carl, Emmons Perry	CL	29	* † Rockford
Carl, Lawrence Andrew	Bus		* † Muskegon Heights, Michigan
Carlock, Margaret Louise	LAS	65	* † Urbana
Carloss, Winifred	LAS	95	* † Joliet
Carlsen, Dwight Allan	Bus	64	* † Chicago
Carlson, Ambrose Irenius	Bus	71	* † Chicago
Carlson, Carl Harold	Bus	105	* † Rockford
Carlson, Frank Stewart	CE		* † Chicago
Carlson, Harry Gustavius	Law		* † Garfield, Kansas
Carlson, Lee Russell, A.B., 1916	SS		* † Clarence
Carlson, Solomon Wilhelm	CE	56	* † Batavia
Carlson, Thomas William	Bus	86	* † Evanston
Carman, Lois	LAS (SS)	99½	* † Urbana
Carmichael, Erdys Lucile	LAS	32	* † Urbana
Carmichael, Munice Annie	LAS	103	* † Urbana
Carmichael, Gershom Narramore	LAS	38	* † Urbana
Carnell, John Beechan	Bus		* † Elmhurst
Carney, Agnes Mary	LAS		* † Joliet
Carney, Clair Thomas	Bus	50	* † Belvidere
Carnright, Herbert William	Bus		* † Evanston
Carpenter, Clarence Dale	Accy	31	* † Dahlgren
Carpenter, Erasmus Fayette	MinE	106½	* † Williston, North Dakota
Carpenter, Fred James	Bus		* † St. Louis, Missouri
Carpenter, Kenneth Duncan	Bus	33	* † Ashtabula, Ohio
Carpenter, Lela Belle	SS	78½	* † Thomson
Carpenter, Paul Foushee	Bus	27	* † Stroud, Oklahoma
Carpenter, Robert Charles	Flor	36	* † Fort Dodge, Iowa
Carpenter, Willard Chipman	Accy	64½	* † St. Louis, Missouri
Carqueville, Marshall Tatum	LAS		* † Highland Park
Carr, Claybourne Hughes	CL	30½	* † Casey
Carr, Helen Bernice	LAS	27	* † Oak Park
Carr, Herman John Edward	PreM		* † Cicero
Carr, Horace L	AE	90	* † Fulton, Missouri
Carr, John Gregory	IA	87½	* † Kansas City, Missouri
Carr, Warren Jonas	Bus	31	* † Aurora
Carr, Wilton Andrew	Law		* † Greenup
Carré, Darwin Beach	LAS (SS)	112½	* † New Orleans, Louisiana
Carré, David Morey	IA	100	* † New Orleans, Louisiana
Carrell, Chester Claude	Accy	8	* † Greenup
Carrithers, Emily Dell	SS		* † Washburn
Carrithers, Herbert Emerson	Bus		* † Toluca
Carroll, Edward Aloysius	Bus	24	* † Bloomington
Carroll, Gladys Viola	LAS	62	* † Greenville
Carroll, Lola Pearl	LAS		* † Riverside
Carroll, Mary Ellen	SS	7	* † Decatur
Carrothers, William Gaylord	FC	64	* † Kansas City, Missouri
Carson, Frank Alexander	Arch		* † Danville
Carson, George Verne	Agr		* † Waterman
Carson, Raymond Clark	Law	6½	* † Urbana
Carswell, James, Jr.	PreM	46½	* † Evanston
Carter, Alice Leona	LAS	78	* † Trenton
Carter, Anna Elizabeth	LAS		* † Thawville

Carter, Beatrice Mae	LAS		* † Berwyn
Carter, Dale E	Bus	62	* † Tulsa, Oklahoma
Carter, Edna	LAS	46	* † Rossville
Carter, Fern	LAS	37½	* † Thawville
Carter, George Deneen	Agr		* † Centralia
Carter, Joseph	Bus (SS)	116%	* † Assumption
Carter, Leon McHowen	AC		* † Elmwood
Carter, Lois M	SS		* † Frankfort, Indiana
Carter, Raymond Frederick	LAS	39	* † Peoria
Carter, Susan Elizabeth	Bus	11	* † Rockford
Cartinhour, Gaines Thomson	Bus	38	* † Indianapolis, Indiana
Cartwright, Albert David	LG	76½	* † Collierville, Tennessee
Carver, Everett	Bus	35	* † Canton
Cary, Horace Kellogg	Bus		* † La Grange
Casanas, Eileen	LAS	48	* † New Orleans, Louisiana
Case, Williby Eugene	Arch		* † Kansas City, Missouri
Casey, Daniel Joachim	CE	99	* † Chicago
Casey, John Terrance	LAS		* † Watseka
Casey, William Jerome	MinE	51	* † Chicago
Cash, Celia Glyde	Ed	65	* † Girard
Cash, Charles Wesley	Agr		* † Girard
Casler, William Judde	CE	109	* † Louisville, Kentucky
Cass, Cecil Lee	LAS		* † Ohio
Cassell, Bernard	Bus		* † Indianapolis, Indiana
Casson, Thomas Francis	FC	97%	* † Elgin
Caster, Zella Verne	LAS	103	* † Mound City
Caswell, Ralph Waldo	EE	72	* † Hinckley
Catlin, George Edwin	CE	111	* † Peoria
Caudell, Kite Valentine	SS	½	* † Pinerville, Louisiana
Cavanaugh, Matthew Francis	CE		* † Fall River, Massachusetts
Cavanaugh, Ray Bernard	Bus		* † Chicago
Cavin, Lewis F	Bank		* † Chicago
Cavins, Harold Maxon	SS	87½	* † Charleston
Cavins, Joe Loren	ME	130%	* † Normal
Cawthorne, Harold Jesse, A.B., 1921	SS		* † Lewisville, Pennsylvania
Cawvey, Clarence Eley	EE (SS)	110½	* † Marion
Cayard, Robert Charles	LAS unc		* † Meranz, Louisiana
Cerling, Fredolph Albert	AE		* † Chicago
Cha, Sung Hyun	ChE		* † Salt Lake City, Utah
Chadsey, Charles Price	LAS (SS)	49	* † Urbana
Chadwell, A. Ben	Bus unc		* † Tulsa, Oklahoma
Challacombe, Russell N	Bus	54	* † Princeton
Challman, Harold Gothard	EE		* † Indiana Harbor, Indiana
Chalman, Lois Anita	HELAS	85½	* † Chicago
Chalstrom, Clarence Elbert	Bus		* † Joliet
Chamberlain, Grant	Bus	30	* † Berwyn
Chamberlin, Frank Robert	FC	33	* † Eldorado
Chambers, Chellis	AC unc		* † Cairo
Chambers, Gordon Wright	Accy	25½	* † Anna
Chambers, Leonard Francis	ChE	54	* † Oak Park
Champion, Fay Harding	SS	6%	* † Paducah, Kentucky
Chance, James Howard	Arch	107	* † Salem
Chand, Mehar Riat	ME	36	* † Punjab, India
Chandler, Scott	Bus		* † Vermont
Chaney, David Leslie	CE	71½	* † Springfield
Chaney, Owen Jewison	Agr	96	* † Springfield
Chang, Chan Eu	SS	6	* † Kirin City, China
Chang, Chung Sung	RME		* † Peking, China
Chang, Han Ying	CE (SS)	67	* † Shantung, China
Chang, Tseh	LAS (SS)	13	* † Shansi, China
Channon, James Allen	EE		* † Quincy
Chapin, Mary Ada	SS	5	* † Decatur
Chapin, Paul Wisegarver	LAS	95½	* † Clinton
Chapman, Catherine Carey	LAS		* † Carmi
Chapman, George Thomas	Bus		* † Vienna
Chapman, Ione Minervia	SS	63	* † Carbon, Indiana
Chapman, Joanna Elizabeth	HEAgr		* † Carmi
Chapman, Maurice Lawrence	Bus	39	* † Chicago
Chapman, Maxwell Cook	Agr	103	* † Carmi
Chapman, Walter Leslie	Bus (SS)	80	* † Canton
Charlton, Clarence Dean	PreL	35	* † Chicago
Chatfield, Roy Hoag	Bus	32	* † Momence
Chatfield, Ruth	Bus		* † Momence
Cheesman, Mignonne	LAS	96	* † Princeton
Chen, Chun Cheng	RME	26	* † Washington, D. C.
Chen, Kermit C	RCE	113%	* † Peking, China
Chen, Ko Wei	Ed	94%	* † Changsha, China
Chen, Loh Kwen	RCE		* † Shanghai, China
Chen, Yu Ching	RCE	137	* † Washington, D. C.
Chen, Yuen Kai	ME (SS)	7	* † Shantung, China
Chenoweth, Homer Eldon, A.B., 1913	SS		* † South Charleston, Ohio
Cherrington, Jennie Ruth	Arch		* † Vinit, Oklahoma
Cherry, Clarence Joseph	Stock		* † Comstock Park, Michigan
Cherry, Edgar Dean	Bus	23	* † Kewanee
Chesley, Robert Charles	Agr	26	* † Urbana

Chester, Dorothy Eleanor	LAS (SS)		* † Champaign
Chiang, Pauline	Bus		* † Peking, China
Chiber, Martin Paul	Vsp (SS)		* † Chicago
Choisser, Flodene Renee	LAS	31	* † Benton
Chou, Chen Sheng	Bank		* † Chungking, China
Choulet, Jay Merle	LAS (SS)	28	* † Warsaw
Chow, Tanmin Stungson	RCE	40	* † Canton, China
Chrisman, Carl Edward	CE (SS)	38	* † Paxton
Christ, Raymond Edward	CeE	24	* † Urbana
Christensen, Tyra Myrtle	LAS	125½	* † Champaign
Christian, Ada Parks	LAS		* † Urbana
Christian, Harold Martin	Agr	54½	* † Urbana
Christman, Christian Valdemar	Agr	61½	* † Chicago
Christoffer, Mildred Edna	LAS		* † Oak Park
Chrysler, Clarence Doreno	Agr		* † Casey
Church, Helen Luverne	LAS		* † Rock Falls
Cieslolk, Theodore Charles	CE		* † Chicago
Clafford, Floyd Rowland	ME	110	* † Chicago
Claffin, Florence Janet	LAS	41	* † Washington, D. C.
Clamitz, Francis Selwyn	Bus		* † Chicago Heights
Clancy, Eleanor Lane	SS	16	* † East St. Louis
Clancy, Marion	SS	133½	* † East St. Louis
Clapsaddle, Janet Ames	Ed	119	* † Leland
Clapsaddle, Reeta Margaret	Ed	100½	* † Leland
Clarahan, Burton John	FC	27	* † Oak Park
Clare, Joseph Aloysius	LAS	107¾	* † Chicago
Clarida, Beula Mae	LAS	25	* † Marion
Clarisey, Helen Joyce	HEAgr		* † Chicago
Clark, Albert Charles, Jr.	ME		* † Chicago
Clark, Alvin William	Agr	68	* † Barry
Clark, Donald Eulon	Eng		* † Champaign
Clark, Edwin Hart	Bus	30	* † Clinton, Iowa
Clark, Francis Leonard	Agr	69	* † Blue Mound
Clark, Francis Matthew	Agr	104	* † Mt. Sterling
Clark, Frank John	Agr		* † Griggsville
Clark, Harriet	LAS		* † Rantoul
Clark, Harry Cecil	SS	107½	* † Champaign
Clark, Hattie May	SS	5½	* † Washington, Indiana
Clark, Hazel Martha	LAS (SS)	58	* † Champaign
Clark, John Elliott, A.B., 1922	Law		* † Georgetown
Clark, John Heriot Earle	Agr	16	* † Durban, South Africa
Clark, John Peters	ME	109	* † Chicago
Clark, John Thomas	Jnl	73	* † Elgin
Clark, Mrs. Lloyd Talbert	SS	6	* † Urbana
Clark, Lloyd Talbert, B.S., 1921	SS	138½	* † Urbana
Clark, Lloyd Tunks	SS	10½	* † Watseka
Clark, Lyman Joseph	LAS		* † Chicago
Clark, Nita Rose	SHHEd (SS)	8	* † Morrisonville
Clark, Robert Mehlon	AC	47½	* † Carthage
Clark, Robley Edwards	LAS unc		* † Rock Island
Clark, Rowland Fancher	Agr	107	* † Maumie
Clarke, Helen C	Mus	22½	* † Mt. Carmel
Clarke, Josef Anderson	Bus	23	* † Chicago
Clary, Marion Wilborn	AC unc (SS)	2	* † Paducah, Texas
Classen, Fred Edward	PreM	7	* † Danforth
Clausen, Arthur Dwight, B.S., 1922	SS	138½	* † De Kalb
Clausen, Arthur Martin	SS	44½	* † Chicago
Clausen, Edna Kathryn	LAS	30	* † Chicago
Clausen, John Burkert	CE	73	* † Chicago
Clausen, John Thomas	ME	72½	* † Kenwood, Missouri
Clawson, Helen Brooker	LAS (SS)	4	* † Champaign
Clawson, Robert Anson	Agr		* † Taylorville
Clawson, Samuel Raymond	PreL	61	* † Cicero
Claxton, Allen Enes	Bus	107	* † Hinsdale
Claxton, Alvie Jacob	Accy	106½	* † Hinsdale
Claypool, Kathryn Ruby	HELAS		* † Urbana
Clayton, Faith Lillian	LAS (SS)	97½	* † Kempton
Clayton, John Lorenzo	Agr		* † Yorkville
Clayton, Wilbur Stanley	EE	35	* † Dixon
Claytor, Mrs. Jessie Ellen	SS	6½	* † Effingham
Cleary, John Allen	Bus	39	* † Bloomington
Cleary, Raymond	ChE (SS)	114	* † Chicago
Cleaver, Joseph Benjamin	PreL		* † Oregon
Clendenen, Harold Campbell	EE	51	* † Arthur
Clendenen, Ruth Georgia	Arch		* † Normal
Clendenin, John Cameron	Bus	36	* † Sparta
Cleveland, Edmund Griffith	IEd	45	* † Bloomington
Cleveland, Laura Mae	Bus	63	* † Rockford
Cleveland, Mary Jane	LAS	115½	* † Plymouth, Indiana
Cleveland, Warren Eddy, B.S., 1921	SS	150½	* † Rockford
Cleworth, Cecil Herbert	Bus	83	* † Chicago
Clifford, Lucille America	SS	7	* † Carbondale
Clingman, William Herbert	EE	50	* † Chicago
Clinton, Carter Milner	EE	46½	* † Freeport
Clinton, John Paul	FC	25½	* † Oak Park

Clover, Willis Hatch	FC	25	* †	La Grange
Cluley, Leonard Atkinson	SS	6½	* †	Rosebush, Michigan
Coates, Fred Kline	AC		* †	Ferguson, Missouri
Coath, Edward Stern	Bus	39½	* †	Chicago
Coath, Virgil Walter	Bus	100	* †	Chicago
Coatsworth, James Turner	Bank	51	* †	Galena
Cobb, Carl Clingman	Bus	30	* †	Tipton, Iowa
Cobb, Thomas Howell	Ed (SS)	112	* †	New Burnside
Coble, Gilbert Ephraim	LG		* †	Paragon, Indiana
Cochran, Charles Victor	AC	26	* †	Carmi
Cochran, Evelyn	SS	8		Good Hope
Cochrane, Helen Marie, A.B., 1922	Lib		*	Danville
Cockrum, Dorothy Dale	LAS	112½	*	Oakland City, Indiana
Coen, Philip Albert	Agr (SS)	112	*	Washburn
Coffeen, Esther	LAS	23	* †	Champaign
Coffeen, Richard Preston	ME	126	*	Champaign
Coffman, Alden Williams	SS	139½		Davenport, Iowa
Coffman, Louise Mabel	SS	20		Pana
Coggin, Frederick Griswold, Jr.	Bus		* †	Chicago
Coghlan, Anne Margaret	Jnl (SS)	93½	* †	Chicago
Cohagen, Imogene	LAS (SS)	96	*	Bloomington
Cohen, Abraham Emil	PreM	30	*	Springfield
Cohen, Frank Leon	Chem	26	* †	Jacksonville
Cohen, Ida	LAS			Chicago
Cohen, Irving Vaslow	RCE	61	* †	Chicago
Cohen, Jesse Lester	Bus	35	* †	Metropolis
Cohen, Leonard Uriah	Bus		* †	Chicago
Cohen, William	CE	93	* †	Chicago
Cohn, Ben	LAS		* †	Chicago
Coker, Frank H	SS	4½		Salem, Kentucky
Coker, Marion Blaine	SS	8½		McLeansboro
Colbert, Viola Leah	SS	8		New Orleans, Louisiana
Colbrook, Velma Ruth	LAS	95	* †	Taylorville
Colby, Alfred Vail	Agr	67	* †	Atkinson
Colclasure, Clessie Clya	SS	6		Blue Mound
Cole, Carroll Lovern	IA (SS)	93½	* †	Walworth, New York
Cole, Cline Merwin	Bus (SS)	71½	* †	Marion
Cole, Dexter Griswold	Bank	12	* †	Brookings, South Dakota
Cole, Edwin James	Arch		* †	Hubbard Woods
Cole, Florence Mary	HELAS (SS)	5		Urbana
Cole, James William	Bus	97	* †	Ludlow
Cole, Julia Louise	HELAS (SS)	5	* †	Urbana
Cole, Margaret	CCS	97	* †	Marshall
Cole, Richard	Bus	32½	* †	Chicago
Cole, William Robert	ChE	62	* †	Niagara Falls, New York
Colcan, Clara Elizabeth	LAS	31	* †	Peoria
Coleman, Ernest Claude	LAS (SS)	76½	* †	Greenup
Coleman, Henry John Walter	Bus		* †	LaSalle
Coleman, James Wade	Eng (SS)	52	* †	Willow Hill
Coleman, James Weatherby	SS	14½		Strong, Arkansas
Coles, Rosemund Virginia	LAS	60	* †	Kokomo, Indiana
Colin, Leopoldo Garcia	Chem	73½	* †	Mexico City, Mexico
Collier, Theodore Franklin	Eng (SS)	102½	* †	Bartonville
Collins, Clarence Jackson	SS	131½		South Bend, Indiana
Collins, Clifford LeRoy	Bus	59	* †	Waterloo, Iowa
Collins, Frank Patrick	AC		* †	Caseysville
Collins, John Hickok	LAS	5	* †	LaGrange
Collins, John Michael	Jnl	37		Lena
Collins, Thomas Adolph	Eng	33	* †	Indianapolis, Indiana
Collins, William Gus	Accy (SS)	19½	* †	Monticello, Indiana
Collinson, Harold E	Bus	31	* †	Galva
Collom, Arthur Bright	SS	123		Marissa
Colson, Lloyd Dewey	Bus	66	* †	St. Charles
Colstock, Chester John	EE		* †	Kankakee
Colvin, Esther Marie, A.B., 1921	Lib (SS)	82½	* †	Nebo
Comroe, Irving Harold	CerE	29	* †	Chicago
Comstock, Harry Higdon	LAS	6		Neoga
Comstock, John Aldrich	MinE	107	* †	Neoga
Comstock, Lucy Emily	SS	131½		Chicago
Conard, James Stiles	Agr	23		Monticello
Conard, Lyle Reno	EE		* †	Ottawa
Conarroe, Julia Mary	Jnl		* †	Frankfort, Indiana
Conde, Maximo Francisco	SS	8		Sanchez, British W. Indies
Condit, Forrest McCool	Law	54	* †	Champaign
Condit, Horace Vincent	PreL	31	* †	Beardstown
Condit, Russell Odell	Agr	76½	* †	Chicago
Condon, Harold Day	Agr	93	* †	Stillman Valley
Coudon, Robert Seofield	Eng (SS)	92	* †	Bloomington
Coudon, Verner Holmes	PreM (SS)	68	* †	Bloomington
Cone, Maurice Lynn	Law	45	* †	Sheridan, Wyoming
Conely, Caryl Bernice	LAS		* †	Warrensburg
Conely, Mary Emily	HELAS	97	* †	Warrensburg
Congleton, Harlan Davis	Agr	49		Urbana
Conkey, Robert Wilson	Bus	39	* †	Chicago
Conklin, Neil Chandler	Bus	20	* †	Decatur

Conley, Edwin Beck	Bus	27	* †	Champaign
Conley, Helen Moselle	LAS	10	* †	Lincoln
Conley, James Edward	IA	95	* †	Belvidere
Conley, Virginia Maurine	Chem (SS)	103	* †	Kansas City, Missouri
Conlin, Bernard Aloysius	ME	72	* †	LaGrange
Conliak, Louis Moore	Accy	31	* †	Kewanee
Conn, Gordon Brainard	Bus	36	* †	Sparta
Connard, Theodora Jane	LAS	33	* †	Decatur
Connell, James Frederick	PreM		* †	Mounds
Connelly, Joseph Turner	SHAEd (SS)	97½	* †	Westfield
Connolly, Leo Albert	Bus (SS)	30	* †	Springfield
Connolly, Leo Andrew	Ed unc	31	* †	Murrayville
Connor, Dewey Ross	CE	8	* †	Newton
Conover, Lawrence Irvin	FC	30	* †	Mt. Pleasant, Iowa
Conrad, Charles William	SS	21		Charleston
Conrad, Emma Dorothy	SS	7		Charleston
Conroy, Elizabeth Mary	SS	5		Belleville
Conroy, Theodore Joseph	LAS	18	* †	Chicago
Conye, Charles Howard	Bus	24	* †	Warren
Cook, Alice Lorraine	HEAgr	28	* †	Oak Park
Cook, Arthur Harry	Eng		* †	Wilmette
Cook, Beatrice Marie	LAS	86½	* †	Chicago
Cook, Elizabeth Flora	LAS	17	* †	Roberts
Cook, Grace	LAS (SS)	100½	* †	Norris City
Cook, Henry Grady	PreM	32	* †	Hattiesburg, Mississippi
Cook, Herman Louis	CerE	109½	* †	Terre Haute, Indiana
Cook, James Lowell, Jr.	Bus	34	* †	Chicago
Cook, Kenneth William	IA	36	* †	Rockford
Cook, Paul Arthur	Bus		* †	Minong, Wisconsin
Cook, Raymond Mack	SS	130		Charleston
Cooke, Douglas Dwight	EE		* †	Fort Myers, Florida
Cooke, Elizabeth May	LAS		* †	Chicago
Cooke, Harold Eugene	Ed unc		* †	Godfrey
Cooke, Thomas Gaunt	ChE	35	* †	Chicago
Cooke, Tom Dudley	AE	103	* †	Lexington
Cookman, Ward Cecil	Bus		* †	Chicago
Coledge, Marshall Miller	ME	35	* †	Maywood
Cooley, Anna Beatrice	SS	6		Granite City
Cooley, Marion Fowler	Bus	108	* †	Dannville
Coombe, Raymond	EE		* †	Arthur
Coons, Ansel Lucian	LAS	60½	* †	Gary, Indiana
Coons, Charles Curtis	ChE (SS)	79½	* †	Gary, Indiana
Cooper, Everett Arthur	ME	5	* †	LaGrange
Cooper, Florence Kathlyn	PreL	34	* †	Chicago
Cooper, Glenn Everett	Bank	55	* †	Kankakee
Cooper, Humphrey John	CE (SS)	80	* †	Quincy
Cooper, John Donald	Agr		* †	Mt. Pulaski
Cooper, John Willis	CE	68	* †	Decatur
Cooper, William	Accy	71	* †	Chicago
Cooper, William Henry	PreM	36	* †	Dawson
Cope, Allison Jerome, Jr.	CE	68	* †	Champaign
Cope, Harold Fleming, A.B., 1920	SS	133½	* †	Champaign
Copeland, Earl Renwick	Agr	33	* †	Coultersville
Copeland, Ross William	AC unc	8	* †	Coultersville
Copp, Fulton W	REE	60½	* †	Detroit, Michigan
Corbett, Carrol Eberhardt	Bus	59	* †	Arthur
Corbett, Thomas Harold	PreL		* †	Chicago
Corbin, Alice Maurine	HELAS	33	* †	Winnebago
Corbin, Helen Myra	Bus		* †	Winnebago
Corbin, Leland Harlan	Agr	61	* †	Newton
Corbin, Robert Merle	ChE	104½	* †	Winnebago
Corboy, Frank Bradshaw	SS			Elm College, North Carolina
Cordell, Della Grace, B.Mus., 1919	SS	193		Macomb
Corduan, Walter Ernest	Eng	28	* †	Chicago
Core, Nan Elizabeth	LAS		* †	Pine Bluff, Arkansas
Corey, George Howe	LAS		* †	Chicago
Corey, Harry Eugene	Agr	98	* †	Chicago
Corey, Raymond Sheridan	Bus	112½	* †	DeKalb
Corley, John Paul	MSE		* †	Tower Hill
Corliss, Scott	Eng		* †	Metropolis
Corman, Julian	LAS	105	* †	St. Louis, Missouri
Cornell, Dorothy Eleanor	HEAgr	99	* †	Gurnee
Cornett, Kiefer	Agr	48	* †	Murphysboro
Cornick, Tillie Louise	Mus		* †	Harrisburg
Cornwell, Ross Eugene	ME	121½	* †	Neoga
Corr, Harold Eugene	Bus	24	* †	Woodstock
Corray, Fred Harmon	AC		* †	Urbana
Corrie, Cynthia Bliss	Mus		* †	St. Francisville
Corrie, Henry Bliss	Agr	35	* †	St. Francisville
Corrigan, Bernard Cain	Bus	17	* †	New Berlin
Corsa, Elizabeth Loe	LAS (SS)	107	* †	Whitehall
Cortis, Robert Percy	CE	110	* †	Hinsdale
Corwin, Ralph Whitney	PreL	34	* †	Paris
Corwine, Grace Evans	LAS	98	* †	Lincoln
Cory, Luella, A.B., 1916	Lib (SS)	60	* †	Leavenworth, Kansas

Cory, William Robert, Jr.	SS	29	Rochester
Corydon, Arthur Edwin	Bus		* † Chicago
Corzine, Desire Lucile	Jnl	31	* Taylorville
Cosgriff, Agatha	SS	7½	* Springfield
Cosgrove, Helen Geraldyn	LAS	86	* † Odell
Cossairt, Laura Grace	SS	22½	* Potomac
Costello, Virginia Faye	LAS	60½	* Litchfield
Cottingham, Chester Edwin	Bus	30	* † Mattoon
Cottingham, Esther Alice	LAS	62	* † Danville
Cottingham, Lillian Blanche	SS	107	* † Mattoon
Cottingham, Lloyd	Agr	73	* Jerseyville
Cotton, Buell Leslie	AC unc		* Huron, South Dakota
Cottrell, James Douglas	Bus	58	* † Champaign
Couch, Willard Lee	Agr		* † Mt. Carmel
Couden, Trevert Dalis	CE		* † Danville
Coughenour, Nell Jean	Bus		* † Champaign
Coughlan, Ruth Ann	Jnl	81	* † Kokomo, Indiana
Coughlin, Francis Collins	LAS	70	* † De Pue
Coughlin, John Anthony	RA	58	* † Joliet
Coughlin, Lawrence	Eng	65	* † De Pue
Coughlin, William Henry	Bus	14½	* † Champaign
Coultas, Wilbur Horace	Agr	100	* † Virden
Coulter, Curtis Lee	Bus		* † Peoria
Coulter, Don Miles	MinE	48	* † Robinson
Coulter, Grace Edna	SHHEEd	65	* † Urbana
Coulter, Keith Douglas	PreM		* † Chicago
Coulter, Roscoe William Bryan	FOM	106½	* † Urbana
Coulter, Velden Scott	PreM	4½	* † East St. Louis
Countiss, John Bascome	Agr unc		* † Cookeville, Tennessee
Coutchie, Stephen Andrew	LG	60	* † Harvey
Coventry, Stanley Clinton	Bus		* † Olney
Cover, Sylvia, B.S., 1920	SS	147½	* Tunnel Hill
Covey, Ira Jay, Jr., B.S., 1921	Law	70½	* Peoria
Covey, Loren Hume	IA		* † Urbana
Covington, Mary Louise	LAS	88	* † Havana
Cowan, Rufus Bruce	Bus (SS)	55	* † Danville
Cox, Charles Shore	Jnl	26	* † Chicago
Cox, Donald Albert	Bus	12	* † Chicago
Cox, Dorothy Elizabeth	LAS	35	* † Champaign
Cox, Edna Imogene	SS	5	* Harrisburg
Cox, Fred William	Agr unc (SS)	40½	* † Plymouth
Cox, George Gurney	Agr	15½	* † Urbana
Cox, George Oliver	PreM	60	* † Gilman
Cox, Gertrude Berenice	Bus	6	* † Champaign
Cox, Irwin Glenn	Jnl		* † Champaign
Cox, John Francis	AC		* † St. Louis, Missouri
Cox, John Mays	AC unc (SS)	8½	* † Bolivar, Missouri
Cox, Lois Jean	Mus	25½	* † Urbana
Cox, Mary Jane	LAS (SS)	33	* † Urbana
Cox, Rhoda Belle	HEAgr	29	* † Chebanse
Cox, Richard Franklin	CE	37	* † Chicago
Cox, Robert Darlington	EE	37	* † Chicago
Cox, Vincent Aron	Bus	71	* † Belvidere
Coyle, Emanuel John	Law (SS)		* † Galesburg
Coyner, Chester Claude	Bus	71	* † Chicago
Crabb, Warren Dysart	ChE	108	* † Fowler, Indiana
Crabtree, Barbara Ferne	LAS	60	* † Urbana
Crabtree, Fern	Bus	51	* † Anna
Crabtree, John Spencer	AC	8	* † Ellendale, North Dakota
Craig, Anna Lola	LAS (SS)	88	* † Cordova
Craig, Carlos Clinton	PreM		* † Charleston
Craig, Charlotte Louise	SS		* † Oxford, Ohio
Craig, Earl L.	SS		* † Tekamah, Nebraska
Craig, Edward Eugene	EE (SS)	128½	* † Champaign
Craig, Vern Clark	Bus		* Galva
Crain, Edward Lawrence	Bus	68	* † Champaign
Crain, Joseph Milton	Law		* † Villa Ridge
Crain, Ruth Elizabeth	LAS	99	* † East St. Louis
Cramer, Glenn Everett	ME	69	* † Quincy
Crandall, Richard John	EE	77½	* † Urbana
Crane, Edward Jameson	Las unc		* † Urbana
Crane, George Bertrand, Jr.	SS	6	* Findlay, Ohio
Crane, Olie Leo	Eng (SS)	36	* † Dawson
Crangle, Walter F	SS	132½	* Onarga
Craven, Eli Eric	SS	8	* Pocahontas, Arkansas
Craven, Marion Louis	CE		* † Norfolk, Nebraska
Craver, Nolan Cornwell	AC unc (SS)	39	* † Effingham
Craw, Roy Brannan	LG	41½	* † Grand Rapids, Michigan
Crawford, Arthur Read	ME	30	* † Minonk
Crawford, Bess Lavinia	LAS (SS)	61	* † Belknap
Crawford, Clyde LaVerne	Agr		* † Milford
Crawford, Grace Irene	SS	67	* Elgin
Crawford, Katharine	SS	12½	* Tolono
Crawford, Mary Clare	HELAS	104	* † Urbana
Crawford, Philip Marion	FC (SS)	90½	* † Champaign

Crawford, Phyllis, A.B., 1920	Lib		* † Little Rock, Arkansas
Crawford, Walter Charles	AC	17	* † Waukegan
Crays, John A	Bus	29½	* † Rossville
Creamer, Helen	SS	1	* † Tolono
Creath, Marion Glenn	ChE		* † Sullivan
Crebs, Catharine Cassel	LAS	35	* † Frankfort, Indiana
Creek, Frances Margaret	Mus		* † Villa Grove
Creek, Loverne Wallace	SS	31	* † Villa Grove
Creelman, Cliff Knox	CE		* † Wheaton
Crenshaw, Margaret Young	LAS		* † St. Louis, Missouri
Crews, Lillyan Ramona	HEAgr	34	* † Effingham
Crill, Clarence Elmer	SS	139¾	* † Monroe Center
Crimmins, Beatrice Rosanna	Bus	35	* † Mattoon
Crink, Elmer S	AC	7½	* † Milford
Crink, Mary Elizabeth	LAS	37	* † Milford
Crissey, Kathryn	LAS	27	* † Chester
Crittenden, Thomas Edgar	Bus	26½	* † Salem
Crocker, Silas Eccles	SS	7	* † Washington
Crofoot, Russel	LAS		* † Tremont
Croll, Henry Albert	Eng	106¾	* † Chicago
Cromer, Lois Margaret	Mus	22	* † West Chicago
Cronk, Elza American	LAS		* † Walton
Cronwell, John Ivan	IA	38	* † Aurora
Cronwell, Sven	EE	30	* † Hanover
Crooks, Charles Franklin	AC (SS)	97	* † Dayton, Ohio
Cross, Grace Lillian	LAS (SS)	40	* † Hallidayboro
Cross, Lois Kathleen	LAS	103	* † Sidney
Cross, Wilford Oakland	LAS	6½	* † Sidney
Crossett, Russell John	ME	32	* † Litchfield
Crossman, Anna Mary	LAS	29	* † Decatur
Crosson, Emily Christine	Ed (SS)	64	* † Oxford, Indiana
Crouch, Elizabeth Margaret	Ed	96¼	* † LaFayette, Indiana
Crouch, Irene	HEAgr	45	* † Hoopstown
Crouch, Kenneth Gilbert	FC	33	* † Tulsa, Oklahoma
Crouch, Margaret Marie	LAS (SS)	100	* † Urbana
Crouse, Colonel	SS	8	* † Lebanon
Crowell, Addison Perry	Agr	35	* † Kingston
Crowell, Zelah Enrice	Agr	102	* † Waverly
Crowley, John David	Agr unc (SS)	68	* † Springfield
Crown, Keith Allan	SS	7½	* † Farmington, Iowa
Crownover, Mildred Laura	LAS		* † Princeton
Crozier, Andrew Liddell	Bank	64½	* † Kansas City, Missouri
Crum, Leona May	SS	8	* † Bath
Crummer, Mrs. Emma Cushman	Agr unc		* † Oak Park
Crummer, Wilbur Forrest	Bus unc		* † Oak Park
Cruse, Avis Estelle	Bus		* † Flora
Cruse, Inis Lucille	HEAgr (SS)	68	* † Flora
Culbertson, Hubert	EE		* † Parma, Missouri
Culkin, Louis	ME	112½	* † West Coxsackie, New York
Culp, Lester Brenholt	Bus	103¾	* † Alton
Culp, Ray A	CE	55	* † Mason City
Culter, Samuel Harold	Agr	66½	* † Ripley, Ohio
Cumback, Preston Waldo	ME	26	* † Hinsdale
Cummings, Rodney Keeney	FC	103	* † Rockford
Cummings, Stella Maude	LAS	25	* † Kentland, Indiana
Cummins, John Wesley Key	Bus	60	* † Marion
Cunningham, Catherine	LAS	30	* † Cairo
Cunningham, Eunice	LAS	31	* † Champaign
Cunningham, Lowell Clem	Agr	34	* † Bismarck
Cunningham, Ralph	Bus		* † Gibson City
Cunningham, Raymond Elbert	Bus		* † Urbana
Curnock, William Leonard	CE	73½	* † Maywood
Curry, Cordelia Patricia	LAS	45	* † Peoria
Curtin, Charles Raphael	SS	8¾	* † Toledo, Ohio
Curtis, Allan Smith	CE		* † Dodge City, Kansas
Curtis, Donald P	Bus		* † Grant Park
Curtis, Ernest	Bus	18½	* † Carrollton
Curtis, Lucille Grace	HELAS	72	* † Reynolds
Curtis, Owen Shepherd	Accy	66	* † Clinton, Indiana
Curtis, Vernon De Forrest	PreM	29½	* † Alton
Curtis, Walter Everett	Bus		* † Champaign
Curtis, Willard Benjamin	Bus (SS)	60½	* † Joliet
Curtiss, Earle Muller	LAS	95¾	* † Chicago
Curtiss, Edward Augustus, B.S., 1922	SS		* † Stockton
Curts, Donald Dewey	LAS	48	* † Anderson, Indiana
Curts, Harry Emerson	CL	30	* † Anderson, Indiana
Curvey, Josephine Raye	LAS		* † Taylorville
Cushing, Horace Lyman	Bus	33	* † Decatur
Cushman, Clarence Henry	SS	7¾	* † Kewanee
Cuthbertson, Donald Franklin	Bus	71	* † Oak Park
Cutler, Esther Charlotte	Bus	32	* † Urbana
Cutler, George Clinton	Agr	107	* † Carthage
Cywinski, Casimir Arthur	PreM	27	* † Chicago
Dack, Merdith Cole	EE		* † Des Moines, Iowa
Dager, John Harvey	Agr (SS)	8	* † Champaign

Dahlman, Homer Stillwell	Bus (SS)	18½	*	Chicago
Dale, Harry Lincoln	IA	35	*†	Aurora
Dale, Ralph Emerson	Bus	30	*†	Mahomet
Dale, Thomas Manford	ChE		*†	Danville
Daly, Harold Merland	LAS	90	*†	Armingtton
Daly, John Cecil	Bus	60	*†	Warren
Daly, Raymond Ernest, Jr.	ChE	46	*†	Homewood
Dalzell, Wilbur	SS	8		Harrisburg
Dameier, Almyra Frances	SS	7½		Lena
Damhoff, LeRoy Edward	Agr (SS)	71½	*†	Morrison
Damians, Frederick Quentin	CE		*†	Chicago
Damisch, Herbert Raymond	SHAAgr	112½	*	Gilbert
Dana, Philip Lyman	Bus		*†	Kewanee
Danforth, Harlan Kingsbury	Agr	107	*†	Washington
Dangremond, Mrs. Lenore Wickman	Mus		*†	Chicago
Dangremond, LeRoy Marion	CE	121½	*†	Chicago
Dani, Vallabhdas Hargovindas	Agr	47	*†	Bombay, India
Daniels, Elwin Lloyd	Bus		*†	Paris
Daniels, Harold Francis	Bus		*†	Henry
Daniels, Philip M	Bus	60½	*†	Chicago
Danielson, Cecil Reynolds	Bus (SS)	113	*†	Rockford
Danielson, Charles Bowen	Jnl	41	*†	Champaign
Danielsen, John Donald	Bus		*†	Oak Park
Dapper, Howard Wesley	Accy	66	*†	Quincy
Dappert, Arlene Amanda	LAS	32	*†	Taylorville
Darling, Beulah	LAS	5	*†	Urbana
Darling, Elton Richmond	SS	9½		Decatur
Darling, George Edward	Bus	60½	*†	Elkhart, Indiana
Darling, Harlan Duane	SS	6½		Abingdon
Darling, Ruth	LAS	6	*†	Urbana
Darnall, Eugene Campbell	PreM		*†	Danville
Darnell, Richard Cecil	EE		*†	Champaign
Das, Ranenda Kumar	EE (SS)	81½	*†	Calcutta, India
Dauber, Harold William	PreL		*†	Peru
Daughterity, Grace	HELAS		*	Champaign
Daughterity, Russel	AC		*†	Champaign
Daume, Harold Bertram	EE		*	Iron River, Michigan
Dautel, Carl, Jr.	ME		*†	Chicago
David, Adelaide	LAS	32	*†	Chicago
David, Norman Kessler	Bus	25	*	Chicago
Davidson, Arnold John	PreL		*†	Chicago
Davidson, Collins Scott	LAS		*†	Marseilles
Davidson, Dorothy Daisy	Bus	32	*†	Marshall
Davidson, Glenn Younger	Accy		*†	LaPlace
Davidson, Herbert Clark	ChE	44	*†	Winchita, Kansas
Davidson, James Meyer	LAS	36	*†	Quincy
Davie, Gordon McKinley	Bus	30	*†	Oak Park
Davies, Arlene Grace	SS	6		Urbana
Davis, Abren Adam	FC	63	*†	Fairfield
Davis, Alfred H	IA	71	*†	Robinson
Davis, Arlo George	ME		*†	Burlington
Davis, Burdette Myron	Bus		*†	Aurora
Davis, Clare Rudolph	SS	130		Donnellson
Davis, Donald Byer	Agr (SS)	98	*	Homewood
Davis, Earl William	Accy (SS)	111½	*†	Pueblo, Colorado
Davis, Edward Moffett	RCE	63½	*	Indianapolis, Indiana
Davis, Elizabeth Helen	Chem	67	*†	Atwater
Davis, Everett Nelson	Jnl		*†	Urbana
Davis, Florence Elizabeth	LAS (SS)	24	*†	Urbana
Davis, Fred Errol	CE		†	Long Point
Davis, George Andrew	Law	22½	*†	Hazel Crest
Davis, George McBride Nixon	PreM		*†	Chicago
Davis, Grace	Mus	64	*†	Mahomet
Davis, Harold Baltzell	Arch	138½	*	Champaign
Davis, Harold Sterling	Bus (SS)	106½	*†	Springfield
Davis, Herschel B	SS	83		Clinton, Indiana
Davis, Ivan William	Accy	67	*†	Urbana
Davis, John D	FC (SS)	72½	*†	Newton
Davis, Jonathan Epophras	Agr	33	*†	Atwater
Davis, Joseph Keith	LAS	26	*†	Chicago
Davis, Lynn LaBarge	Accy	61	*†	Wilmette
Davis, Malcolm Carlos	SS	5½		Mobile, Alabama
Davis, Mary Marjorie	LAS	21	*†	Kansas City, Missouri
Davis, Mitchel	PreL		*†	Chicago
Davis, Myrtle Ellen	HELAS	99	*†	Corydon, Indiana
Davis, Nathan James	Bus	14	*†	Cincinnati, Ohio
Davis, Nord William	LG	86	*†	Fairmont, Minnesota
Davis, Nona Elaine	SS	5½		Vienna
Davis, Ora William	Agr	101½	*†	Hennepin
Davis, Palmer	Agr (SS)	59	*†	Fairmount
Davis, Thomas John	EE		*†	Birmingham, Alabama
Davis, Vernetta Wiltse	LAS	32	*†	St. Louis, Missouri
Davison, Alma Kaveta	Mus	31	*†	Marshall
Davison, Dale Marshall	LAS	27	*†	Marshall
Davison, Dorothy Stella	LAS	96½	*†	Joliet

Davison, Eugene L	<i>Agr</i>	116 $\frac{2}{3}$	† Springfield
Davison, Florence Mabel	<i>LAS</i>	96	* † Joliet
Davison, Paul Howard	<i>Agr</i>		* † Minonk
Davisson, Robert Mary	<i>LAS</i>	102 $\frac{1}{2}$	* † Springfield
Dawson, David Ornsby	<i>Bus</i>		* † Jacksonville
Dawson, Francis Auras	<i>ChE</i>	68	* † Kokomo, Indiana
Dawson, George	<i>Bus</i>	62	* † Wheaton
Dawson, Lee Orval	<i>SS</i>	62 $\frac{2}{3}$	* † Hettick
Dawson, Owen LaFayette, B.S., 1920	<i>SS</i>	152	* † Staunton
Dawson, Presley Carson	<i>Bus</i>	67	* † Dixon
Dawson, Thelma Trees	<i>LAS</i>	50	* † Bloomington
Day, George Vernon	<i>Agr</i>	72	* † Dalton
Dayton, Dorsey Scott	<i>Agr</i>	8	* † LaMoille
Dean, Ethel Mary	<i>HELAS</i>	48	* † Albion, Michigan
Dean, Harry Russell	<i>Bus</i>	8	* † Vermilion
Dean, Paul Victor	<i>Agr</i>	60 $\frac{1}{2}$	* † Alton
Dean, Russell Amos	<i>CE</i>		* † Roachdale, Indiana
Deane, Horace Albert	<i>LAS</i>	30	* † Moline
Deaner, Louise Mary	<i>LAS</i>	33	* † Marshall
Dearborn, Henry Currey	<i>Agr</i>		* † Peoria
Dearle, Denis Arthur	<i>CE</i>		* † Godfrey
Dearmin, W Fred	<i>Bus</i>		* † Odon, Indiana
Deatherage, Marjorie	<i>Mus</i>	101	* † Auburn
Debenhan, Earl	<i>ME</i>		* † Urbana
Debevoise, Neilson Carel	<i>LAS</i>		* † Evanston
Decker, Harriet Elizabeth	<i>LAS</i>	59	* † Chicago
Decker, Howard Eugene	<i>Bus</i>	36	* † River Forest
Decker, Hoyt	<i>Chem unc</i>		* † Vincennes, Indiana
Decker, John Ernest	<i>Bus</i>	97	* † River Forest
Decker, Paul Andreas	<i>ChE</i>		* † Evansville, Indiana
DeClerc, Loyal William	<i>Flor</i>		* † Green Bay, Wisconsin
DeCook, Harry Burton	<i>SS</i>	9 $\frac{1}{2}$	* † Rose Hill, Iowa
DeCrow, Edward Bristlely	<i>CL</i>	13	* † Oak Park
Deehan, M Regina	<i>SS</i>	8 $\frac{1}{2}$	* † Champaign
Deem, Elmer Martin	<i>SS</i>	17 $\frac{1}{2}$	* † Greensberg, Indiana
Deering, Mary Fay	<i>SS</i>	9	* † Ft. Wayne, Indiana
Dees, Charles Lenard	<i>EE (SS)</i>	47	* † Oblong
Dees, Dorothy Lois	<i>Bus</i>	29	* † Oblong
Degan, Elizabeth Fidelis	<i>SS</i>	11	* † Champaign
Dehr, William Bohlander	<i>EE</i>	129 $\frac{2}{3}$	* † Hinsdale
DeJarnette, Reven Sims	<i>Mus (SS)</i>	79	* † Parsons, Kansas
DeKraker, Louise, A.B., 1922	<i>Lib</i>		* † Grand Rapids, Michigan
Delahunty, William Patrick	<i>Agr</i>	33	* † Dalton City
Delap, Ralph Lenard	<i>Bus</i>	68	* † Kansas City, Missouri
D'Eliscu, Milton Francois	<i>SS</i>		* † Brooklyn, New York
Dell, Nellie Phebe	<i>SS</i>	7 $\frac{1}{2}$	* † Pittsfield
DeLong, Charles Clifton	<i>Bus</i>		* † Sadorus
DeLong, Nellie Esther	<i>LAS</i>		* † Fithian
Demaree, Leafy Pearl	<i>SS</i>		* † Charleston
DeMent, George LeRoy	<i>ME</i>		* † Chicago
Demmler, John Mowry	<i>ME</i>		* † Kewanee
Demmon, John Austin	<i>Agr</i>		* † Mt. Carroll
Dempsey, Helen Clara	<i>LAS</i>	31	* † West Chicago
Dempsey, Paul Douglas	<i>ME</i>		* † West Chicago
Denham, Francis Scott	<i>ME</i>	24 $\frac{1}{2}$	* † Whiting, Indiana
Denhart, Lawrence Benjamin	<i>Bus</i>		* † St. Joseph
Denise, Cornise Maude	<i>LAS</i>		* † Decatur
Denman, Howard Worthington	<i>SS</i>	5 $\frac{1}{2}$	* † Rossberg, Washington
Dennett, Donald Hart	<i>ME</i>		* † Wilmette
Dennis, Frances Eleanor	<i>LAS</i>		* † Wilmette
Dennis, Inez Irene	<i>SS</i>	70	* † Homer
Dennis, Jacob Francis	<i>Accy (SS)</i>	67	* † Ellsworth
Dennis, Katherine McClelland	<i>LAS</i>	101	* † Urbana
Denton, Alberta May	<i>HELAS</i>		* † Hamilton
Denton, Marcelle Freland	<i>CL</i>	68	* † Hillsboro
Dependahl, Serena Elvira	<i>LAS</i>	16	* † Alton
Deputy, Robert Maurice	<i>Jnl</i>	29	* † Bridgeport, Indiana
Derby, Charles William	<i>Ins</i>		* † Chicago
Deremiah, John Francis	<i>IA (SS)</i>	86	* † St. Elmo
Dermody, Harold	<i>Bus</i>		* † Chicago
Derr, Paul Harold	<i>AC</i>		* † Apple Creek, Ohio
DeShane, Roy Emery	<i>IA (SS)</i>	102	* † Panama
DeTurk, Lucia Marie	<i>SS</i>	11	* † Buckhannon, West Virginia
Deuel, Wallace Ranking	<i>Jnl</i>		* † Chicago
DeVito, Thomas	<i>ME</i>		* † Chicago
Devlin, Paul George	<i>Bus</i>	3	* † Chicago
DeWees, Dwight L	<i>PreM</i>	49	* † Morrisville
DeWees, William	<i>Agr (SS)</i>	61	* † Harrisburg
Dewhirst, Ernest Maxwell	<i>PreM</i>	34	* † Bridgeport
Dewhirst, Omar Allen	<i>SS</i>	30	* † Champaign
DeWitt, Charles	<i>Agr</i>	54 $\frac{2}{3}$	* † Downers Grove
DeWitt, Helen	<i>LAS</i>	27	* † Urbana
DeWitt, Herman William	<i>Bus</i>	67	* † Mt. Vernon
DeWitt, Lloyd Rollan	<i>Jnl</i>	37 $\frac{2}{3}$	* † Dahlgren
DeWitt, Maurice Irvin	<i>Law</i>	28	* † Mt. Vernon

DeWolfe, Walter Charles	LAS		* † Maywood
Dhar, Matilal	EE (SS)	111	* † Bagal, India
Dhir, Rup Chand, B.S., 1922	EE irr		* † Punjab, India
Dice, Wilbur	Agr	27½	* † Danville
Dick, Ormond H	Agr		* † Chicago
Dickey, Elnora Armita	LAS		* † Chicago Heights
Dickey, Margie Elmora	Ed	103	* † Champaign
Dickinson, Arthur Donald	SS		* † Shellsburg, Iowa
Dickinson, Dorothy Musick	LAS	56	* † Eureka
Dickinson, Marjorie May	Bus (SS)	39½	* † Griggsville
Dickinson, Myrtle Ross	HELAS		* † Chicago
Dickinson, Richard J, Jr.	Bus	29	* † Eureka
Dickson, John Harold	Bus	62	* † Indiana Harbor, Indiana
Dickson, Martha Harriet	SS	37	* † Wharton, Texas
Dickson, William Clark	Agr	55	* † Evanston
Diefendorf, Adelbert	CE	12	* † Richmond, Virginia
Diehl, Everett	Bus	30	* † Chicago
Diers, Frank, Jr.	IA	60	* † Kansas City, Missouri
Dietrich, Carl	PreM		* † Greensburg, Indiana
Dietrich, George Leland	Bus	62	* † Tyler, Texas
Dighton, Asler Car	LAS		* † Monticello
Dill, Howard Milton	LAS	2¾	* † Huntington, Indiana
Dille, Lavina Faye	HEAgr	100	* † Ottawa
Dillman, Pauline Isabell	SS	15	* † Joliet
Dillon, Gertrude	Mus unc		* † Urbana
Dillon, Pauline Louise	Bus	31	* † Chicago
Dillon, Teresita	SS	130½	* † Danville
Dilsaver, Jewell	Law		* † White Heath
Dimford, Barney John	EE		* † Kewanee
Dimick, Harold Arthur	SS	130½	* † Aurora, Oregon
Dimond, Kenneth Glenn	ME		* † Aurora
Dimond, Lawrence Everette	Bus	61	* † Aurora
Dingledy, Paul George	Eng	36	* † Youngstown, Ohio
Dining, Agnes Christine	LAS		* † St. Francisville
Dining, Margaret Veronica	LAS	52¾	* † St. Francisville
Dinsdale, David Anthony	ME		* † Chicago
Dippell, Laurence Vernon	CerE	76	* † Freeport
Dippell, Randle Lubert	LAS	29	* † Huntington, Indiana
Divelbiss, Maeotta	LAS	28	* † Collinsville
Divers, Ray Anderson	Bus		* † Chester
Dixon, Alfred Leonard	Chem	111	* † Champaign
Dixon, Arthur George	Eng	75½	* † East St. Louis
Dixon, Burns Greenough	Bus	33½	* † Marshall
Dixon, Ervin Arnold	Agr		* † Chrisman
Dixon, Hubert Theodore	EE (SS)	106½	* † Kewanee
Dixon, Kenneth Robert	Agr	31	* † Waterman
Dixon, Ruth Ludden	LAS	122	* † Chicago
Doak, George William	Agr	99	* † Dexter, Missouri
Doak, John	Arch	31	* † Paris
Doane, Rosa Belle	HELAS	10	* † Champaign
Dobbins, Dorothy Courtney	HELAS (SS)	34	* † Champaign
Dobbins, Ray Franklin	Law		* † Champaign
Dobbins, Samuel Orr Holliday	Eng	40	* † St. Louis, Missouri
Dobbs, Edward Wilson	Bus		* † Bloomfield, Indiana
Dobbs, Jessie Irene	LAS	35	* † Petersburg
Dobson, George Young	FC	62	* † Moweaqua
Dobson, Opal Esther	LAS		* † Milford
Dobson, Ralph Peaker	Agr	17	* † Cerro Gordo
Dobson, Ray Robinson	Accy	114	* † Mulmine
Dobyns, Marie Jewell, A.B., 1921	SS	130½	* † Champaign
Dodd, Fred Orville	Bus		* † Paris
Dodge, Charles Hulbert	MinE	81	* † Fall River, Massachusetts
Dodge, Charles Thompson	PreL		* † River Forest
Dodge, Edna Eugenia	LAS	13	* † River Forest
Dodge, Eleanor Edith	LAS	63	* † River Forest
Dodge, Elinor Nathalie Moth	Jnl (SS)	33	* † Champaign
Dodge, Lawrence Egbert	LAS unc		* † Normal
Dodge, Mabel Rosalie	Ed	60	* † Chicago
Dodge, Ruth Clifton	LAS	33	* † Chicago
Doern, Edwin Arthur	Bus	41	* † Chicago
Doerr, Emil William	EE	72	* † Carmi
Doisy, Roberta Josephine, A.B., 1921	SS	140½	* † Champaign
Dolch, Mrs. Marguerite Pierce	Ed (SS)	97	* † Urbana
Dolinsky, Maurice Saul	PreL	34½	* † Chicago
Dollahan, Hugh Armstrong	PreM		* † Lawrenceville
Dolle, Frances Theresa	Ed	99	* † Chicago
Dollinger, Francis Albert	CE		* † Champaign
Dolph, Arthur H	SS	87	* † Fisher
Dolton, George Joseph	PreL		* † Area
Donahue, Frances Eleanor	LAS	64	* † Bloomington
Donahue, William Dale	LAS	126	* † Chicago
Donaldson, Harry Verner	Bus		* † Wilmette
Donlin, Logan Leon	RA	90¾	* † Chicago
Donnan, Dallas Leo	Bank	107	* † Idaho, Florida
Donovan, Mrs. Edith Staples	SS		* † Washington, D. C.

Donovan, Eugene Jerry	AE (SS)	31	* †	Chippewa Falls, Wisconsin
Doolen, Emmogene	HELAS		* †	Kinmundy
Doolen, Minnie Myrna	Ed	66	* †	Kinmundy
Doran, Andrew Wall	Agr		* †	Chicago
Dore, Clarence Raphael	Jnl	115	* †	Chicago
Dore, Gerald Francis	EE	66	* †	Chicago
Dormann, Erwin Frederick	EE		* †	Allton
Dorset, Walter Harper, B.S., 1921	SS	136½	* †	Augusta
Dorsey, Ambrose Joseph	Bus		* †	Savanna
Dotson, Grace	SS	4		Leroy
Doty, Lloyd	AC		* †	Edmonds, Washington
Doty, Marshall Lloyd	Bus	65½	* †	Wilmette
Doty, Wilbur Ames	SS	7½		Blackburn, Oklahoma
Douaire, George Edward	LAS	20½	* †	Chicago
Doubet, Earl Wesley	AC	80½	* †	Peoria
Doud, Helen Secord	Bus		* †	Oak Park
Doud, Robert Freeman	SS	4¾		Hamilton
Dougherty, Floyd Clarence	AC	104	* †	LaPorte, Indiana
Dougherty, John G, Jr.	Bus	28	* †	Jerseyville
Dougherty, John Patrick	CE		* †	Freeport
Doughty, Homer Harrell	Agr	34	* †	Allenville
Douglas, Clinton	Bus		* †	Oblong
Douglas, Louis Reinbold	EE		* †	Mt. Olive
Douglass, Binette	Jnl	122	* †	Chicago
Douglass, Bonnie June	Mus	106½	* †	Urbana
Douglass, Charles Arthur	Accy	25	* †	Chicago
Douglass, Paul Whittier	CE	110	* †	Urbana
Douglass, Thomas Jay, B.S., 1922	SS	140		Batchtown
Doupeoff, Cyril George	Bus	121	* †	Sofia, Bulgaria
Dowd, John Matheny, A.B., 1920	SS	136½		Fisher
Dowell, Harold M	Eng		†	Port Richmond, New York
Dowell, Otis Francis	Eng	105	* †	Port Richmond, New York
Dowiatt, William Edward	AC		* †	Westville
Downey, Magdalena	SS	5		Petersburg
Downing, Earl Ernest	SS	9½		Bloomfield
Downing, Gussie Mathis	SS	9½		Bloomfield
Downs, Mrs. Hedwig Veronica	LAS	77	* †	Chicago
Doyle, Blanche Gleeson	LAS	78	* †	Urbana
Doyle, Katherine Adele	Lib unc	9	* †	Clinton
Doyle, Marie	LAS	83	* †	Champaign
Drake, Martin Woodbury	Bank	80	* †	Colorado Springs, Colorado
Drake, Richard Carvel	ChE	88½	* †	Chicago
Dralle, Claude Frederick	Bus	49½	* †	Quincy
Dralle, Ruth Clara	SS	130½		Hamilton
Draper, Mrs. Frances Headen	Mus	53	* †	Urbana
Drazer, Clarence Tilghman	IA	63		Indianapolis, Indiana
Drea, William Joseph	Bus		* †	Chicago
Drees, Frank Joseph	Agr	103		Downers Grove
Dreman, H. Kenneth	Accy	102	* †	Princeton
Drenk, Charles Russell	AC unc	17		Elkhart, Indiana
Drennan, Arthur Allyn	PreL	26½	* †	Springfield
Drennan, Benjamin Homer	Agr	97	* †	Auburn
Dressel, Lucian	Agr	62	* †	Jerseyville
Drevno, Hymen Daniel	Bus	128¾	* †	Chicago
Drews, Hazel Agnes	HELAS	76	* †	St. Louis, Missouri
Drexmit, Raymond William	IA	54½	* †	Chicago
Dreyer, William Albert	Bus	5	* †	Chicago
Drielsm, Jonas Arthur	Arch	106	* †	Chicago
Driscoll, Mary Elizabeth	LAS	51½	* †	Charleston
Drom, Beulah Jawra	LAS		* †	Antioch
Drom, Edwin Leroy	EE		* †	Antioch
Drom, Margaret Catherine	LAS	98	* †	Antioch
Drone, Arthur Edward	Ed	103	* †	Ridgway
Dry, Hazel Marine	HELAS (SS)	95½	* †	Hustonsville
Dryden, Lucile	LAS	51½	* †	Jonesville
Drysdale, Margaret Nelson	LAS	67	* †	Chicago
Duane, Margaret Joan	CT	66	* †	Mattoon
Dubach, Kenneth Myers	Bus	32	* †	Kansas City, Missouri
Dubach, Merrill King	Bus	67	* †	Kansas City, Missouri
Dubach, Merrill Leon	SS	13½		Sabetha, Kansas
Dubey, Jugal Kishore	LAS (SS)	123	* †	Bhopal, India
DuBois, Granville Chase	LAS	110	* †	Eldorado
DuBois, Lenore, B.Mus., 1920	SS	145½		Onarga
DuBois, Louis Jury	ME	134¾	* †	Eldorado
Duca, Paul Natal	AE (SS)	62	* †	Chicago
Duckworth, Everett Hines	Agr	94	* †	Martinsville, Indiana
Dudley, Helen Martha	Bus	30	* †	Springfield
Duensing, William Dean	Accy CT	64	* †	Toledo
Dueringer, Orris Edward	Bus		* †	Gibson City
Duerr, Leslie	LG	37½	* †	St. Charles
Duffey, Katherine Imogene	SS			Chicago
Duffin, Russell Maurice	Jnl	70	* †	Danville
Duffy, Helen Estelle	LAS		* †	Champaign
Duffy, Ruth	LAS		* †	North Lewisburg, Ohio
DuFrain, Viola Maude	LAS (SS)	76	* †	Momence

Dugan, Clarence Nelis	SS	2½	Hartsville, Indiana
Dugan, Hope Louise	LAS		* † Centralia
Dugger, Ralph Loring	EE		* † Collinsville
Dulen, Charles Martin	LAS		* † Chicago
Dulsky, Lillian	LAS		* † Chicago
Duncan, Albert Wade	Bus		* † Alton
Duncan, Harry Earl	Bus		* † Quincy
Duncan, James Francis	FC		* † Bloomington
Duncan, Paul Bernard	Bus	34	* † Bloomington
Duncan, Richard Eames	Bus	101	* † Aurora
Duncan, Robert Lynn	Bus		* † Anna
Duncan, Thelma Alice	LAS (SS)	6	* † Paxton
Duncan, Walter Gillespie	Agr	21	* † Flat Rock
Duncan, William Joseph	Accy	96	* † Bloomington
Duncan, William Stewart	EE		* † Mt. Vernon
Dundore, Glenn Stanley	LAS		* † Plainfield
Duner, Ethel Louise	HELAS	17¾	* † Wheaton
Dungan, Idylene	LAS		* † Sedan, Kansas
Dungan, Margaret Helen	LAS		* † Richwood, Ohio
Dunkle, Florence Belle	HELAS (SS)	105½	* † Urbana
Dunlap, Collett Noble	CE	101	* † Clinton, Indiana
Dunlap, Marcia, A.B., 1920	Lib		* † Urbana
Dunlap, Norman Russell	AC		* † Terre Haute, Indiana
Dunlop, Catherine Maude	LAS		* † Mason City, Iowa
Dunlop, Edmund Decker	Agr	110%	* † Mason City, Iowa
Dunlop, Robert	IA	26	* † Chicago
Dunlop, Willard Lincoln	FOM	94	* † Pinehurst, North Carolina
Dunn, Carl Arthur	Bus	31	* † Michigantown, Indiana
Dunn, Charles James, Jr.	IA		* † Moline
Dunn, Perry Kelly	SS	19½	* † Urbana
Dunn, William Prescott	Law	8	* † Peoria
Dunscomb, Joseph Harmon	SS	2¾	* † Windsor
Dunscomb, Mary Elvira	LAS	54	* † Windsor
Dunscomb, Rose Marie	LAS		* † Windsor
Dunsing, Dorothy	LAS	33	* † Hammond, Indiana
Dupée, Frederick Wilcox	Jnl		* † Chicago
Dupée, Ralph Kinkad	CE		* † Earlville
Durant, Philip Samuel	Bus	110	* † Wheaton
Durgy, Gladys Mabel	LAS		* † Beardstown
Durham, Arthur Burnam	ME	136¾	* † Kenilworth
Durham, Morris David, A.B., 1922	Law	28	* † Neoga
Durland, Edwin Newberry	LAS	64	* † River Forest
Dutler, Henry Christian	LAS	87	* † Champaign
Dutton, Frank Orrin	EE	36	* † Downers Grove
Duus, Ray	SS	22¾	* † Tracy, Minnesota
Duvall, Ben	Law		* † Aledo
DuVall, Kenneth Leslie	Accy	13	* † Urbana
DuVall, Vesta	LAS	74¾	* † Aledo
Duvigneaud, Vincent Reginald	Chem	120	* † Chicago
Duyck, Loyall	SS		* † Jefferson City, Tennessee
Dvorak, Jaroslav William	IA	34	* † Chicago
Dvorak, Raymond Francis, B.S., 1922	Mus irr		* † Algonquin
Dwyer, Thomas Francis	Accy		* † Stonington
Dye, George Russell	Bus	81½	* † Wolcott, Indiana
Dyer, George Griffith	ME	109	* † Joliet
Dykhouse, Winston Norbert	EE		* † River Forest
Dynes, Kenneth Leon	ME	73	* † Indianapolis, Indiana
Dyson, Everett Mahlon	SS	62½	* † Chicago
Eadie, James	Bus	39	* † Chicago
Eads, Henry Chester	SS	123½	* † Arthur
Eagle, Isaac Orval	LAS	49½	* † Champaign
Eakin, Freeman Morgan	SS	½	* † Claremont, California
Earnest, Eloise Sparks	LAS (SS)	36½	* † Champaign
Eastman, Albert Reyner	AE	115½	* † Rockford
Easton, Virginia Marie	LAS	32	* † Deerfield
Eaton, J Mack	AC	42	* † Newton
Eaton, Merrill T	SS	7¾	* † Paxton
Eaton, Olyn Edward	SS	5	* † Du Quoin
Ebbert, John Floreman	Bus	18½	* † Oak Park
Ebbler, Fred William	EE	100½	* † Brighton
Eberhardt, Herman L	LAS	91½	* † Dundas
Eberhardt, Harold Clair	SS	7	* † Ottawa, Kansas
Ebersold, Frederick Henry	Bus	67	* † River Forest
Eberspacher, Hilda Mabel	LAS	62	* † Pana
Ebert, George Charles	SS	138½	* † Quincy
Eckerty, Cecil Victoria	HELAS		* † Longview
Eckles, Lora Mae	LAS		* † Camp Point
Eddy, Ester Eslie	SS	41	* † Streator
Eddy, James Richard	LAS		* † Tower Hill
Eddy, Leroy John	ME	73	* † Oak Park
Eddy, Lucille Adeline	SS	3	* † Sycamore
Eddy, William Henry	MinE	62	* † Maywood
Edelen, John Price	CL	30	* † Indianapolis, Indiana
Eden, Josephine Ione	Mus		* † Urbana
Eden, Royal Krebs	Ed (SS)	76	* † Urbana

Edens, William McKinley	Bus	73	* † Chicago
Ederer, Eugene August	Bus	99	* † Chicago
Edgar, Martha	LAS	69	* † Doylestown, Pennsylvania
Edholm, Wilbur Leroy	LA		* † Evanston
Edison, Helen Jane	HEAgr		* † Kankakee
Edminister, Charles Lester	FC		* † Elktion, Florida
Edminston, Erma V	LAS	27	* † Chicago
Edmonds, Charles Donald	CE		* † Mt. Carroll
Edmonds, Denzel Alonzo	CE		* † Georgetown
Edmondson, Kenneth Compton	LAS		* † Clinton
Edmunds, Arthur Washburn	EE	71	* † Clinton
Edquist, Earl Leonard	Bus		* † Chicago
Edstrom, Alfred Elmer	Jnl	31	* † Chicago
Edwards, Amy Marguerite	LAS unc	11	* † Peoria
Edwards, Annette Eleanor	LAS		* † Hillsboro
Edwards, Elizabeth Erma	LAS	33	* † Centralia
Edwards, Elizabeth Jeanette	HELAS	69	* † Chicago
Edwards, Ernest Milton	Agr unc	66	* † Harrisburg
Edwards, Estelle Emma	SS	134½	* † Centralia
Edwards, Gilbert Harold	LAS		* † Pinckneyville
Edwards, Helen Anne	LAS	98	* † Chicago
Edwards, Margaret Corinne	LAS (SS)	66	* † Pinckneyville
Edwards, Marshall Henry	Law	69	* † Jerseyville
Edwards, Mary Irene	Mus		* † Centralia
Edwards, Miller	Bus		* † Chicago
Edwards, Richard Vernon	SS	87	* † Springfield
Edwards, Walter MacKenzie	Accy		* † Chicago
Egan, Mildred Alice	LAS	117½	* † Quincy
Egelhoff, John Augustus	SS	8½	* † Jerseyville
Eggeman, Charles Jacob	Bus	119	* † St. Louis, Missouri
Eggers, Henry William	PreM		* † Whiting, Indiana
Eggmann, Horace Jacob, Jr.	EE		* † East St. Louis
Eggman, Hortense Fredericka	LAS (SS)	24	* † East St. Louis
Ehrenreich, Louis Sigismund	PreM	12	* † Minocqua, Wisconsin
Ehrhart, Everett Harold	Accy	98	* † Decatur
Ehrlich, Victor Mandel	Bus		* † Chicago
Ehrstine, Elza Elroy	Bus	31	* † Mulberry Grove
Eich, Elizabeth Edith	HELAS	69	* † Joliet
Eichler, Tyrrell Burton	ME		* † St. Louis, Missouri
Eikenbary, Miriam	HELAS		* † Wabash, Indiana
Eikenberry, Russell Clifford	LAS	30	* † Kokomo, Indiana
Eiler, Roscoe Dutton	Agr		* † Tower Hill
Eilers, Dorothy Eunice	HELAS	62	* † Chapin
Eipper, Lloyd Vincent	AE	51	* † Hillsdale
Eisberg, Jacob Louis	CE	104	* † Kansas City, Missouri
Eklund, Carl Ludwig	Agr (SS)	32	* † Sycamore
Ekstrand, Rowland Magnus	PreM		* † Waukegan
Elder, Albert Laurence	LAS	76½	* † Urbana
Elder, Clarence Huber	EE	34	* † Urbana
Eldredge, Jewell Rose	LAS	71	* † Oak Park
Eldredge, John Jenness	AC		* † Loami
Eldredge, Lynn Elliott	Bus		* † Oak Park
Eldredge, Roy Elnathan	Bus	66	* † Chicago
Eldridge, Eileen Alice	HELAS	63	* † Monmouth
Eldridge, James Walter	PreM		* † Benton
Ellett, Ada Marie	LAS		* † Danville
Ellett, Durwood X	AE	107½	* † Danville
Ellington, Elmo Watts	Bus	66	* † Muskogee, Oklahoma
Elliott, Arthur Roland	SS	124	* † Streator
Elliott, Estes E	CE	110½	* † Kansas City, Missouri
Elliott, Francis Friedgen	Accy		* † Connersville, Indiana
Elliott, Grace Ellen	SS	7½	* † Galesburg
Elliott, Halleen Martha	Ed	60	* † Mattoon
Elliott, Ralph Elder	Bus		* † Harrisburg
Elliott, Walter Irving	Bus (SS)	64	* † Chicago
Ellis, Amelia Dyer	SS	18	* † Urbana
Ellis, Harry David	LAS	70	* † Springfield
Ellis, Nina Elizabeth	SHHEEd	68	* † Lexington
Elrod, Donald Stearns	Bus	68	* † Kansas City, Missouri
Elrod, Tom Benton	AC		* † Pekin, Indiana
Elson, Howard Joseph	Agr		* † Chenoa
Elson, Raymond Franklin	Agr		* † Chenoa
Elwood, Daniel Henry	SS	76	* † Decatur
Embrey, Francis Albert	Agr	19	* † Denver, Colorado
Ely, John Vernon	CE		* † Mason
Emch, Arnold Frederick	LAS	46½	* † Urbana
Embser, Jerome Anton	Agr		* † Salem
Emerick, Lucille	SS	10	* † Sumner
Emerson, Edith Anne	SS	24½	* † Stonington
Emery, Earl Donald	CL	6	* † La Grange
Emley, Philip William	EE		* † Danville
Emory, Alan	Bus	71	* † Oak Park
Emrich, William Wayne	SHAEd (SS)	104½	* † Cosey
Emry, Roy Carleton	ChE		* † Fairfield, Iowa
Ems, Clarence Everette, B.S., 1922	SS	139½	* † Ogden

Ems, William Wallace	Bus	26½	* †	Ogden
Endicott, Paul Thomas	Bus		* †	Dorrisville
Endres, Albert Adam	Agr	93	* †	Peoria
Endres, Arthur Fred	ChE	108	* †	Peoria
Eng, Bock Jan	ME (SS)	22	* †	San Francisco, California
Engberg, Burton Anchor	REE	35	* †	Chicago
Engberg, Felix J	Bus	101	* †	Chicago
Engel, Mabel Ida	Bus	66	* †	Stewardson
Engelbrecht, Henry Albert	AC		* †	Libertyville
Engelbrecht, Howard Frederick	Bus (SS)	95	* †	Elgin
Engelhard, Blanche	LAS		* †	Chicago
Engelhard, Eugene Field	Bus	29½	* †	Chicago
Engelhardt, Lila Harriet	LAS	25	* †	Harvard
Engelhardt, Veva Bernice	HEAgr	114	* †	Spencer, Iowa
Engelhart, Max Dissette	ChE	103½	* †	Glencoe
England, Gladys	LAS		* †	Villa Grove
Englar, Eugene Field	LAS	58	* †	Chicago
English, Julia Theresa	LAS		* †	Chicago
English, Madge	LAS	61	* †	Centralia
English, Robert William	RCE	19	* †	Denver, Colorado
Englund, Grace Elvere Ruby	LAS	97½	* †	Kansas City, Missouri
Ennis, Burrill	ChE	88	* †	Kansas City, Missouri
Ennis, Kenneth Harris	Bus		* †	St. Joseph, Missouri
Enochs, Maude, A.B., 1912	Lib		* †	Creston, Iowa
Enright, Edward Milton	CE	114	* †	Chicago
Enriquez, Pedro Monzon	SS	3		Pilar, Philippine Islands
Entwisle, Ada Reed	SS	7		Washington, D. C.
Enyart, Ralph Cremer	Bus		* †	Agency, Iowa
Enyart, William Ralph	ME	113	* †	Connersville, Indiana
Epler, Elbert Painter	EE	31	* †	Mt. Vernon
Epps, Thad Chandler	AE	126	* †	Red Oak, Iowa
Epstein, Gertrude	LAS			Danville
Erickson, Carl Victor	CE			Dwight
Erickson, Emery Theodore	ChE	68	* †	Chicago
Erickson, Erick	LAS	41	* †	Chicago
Erickson, Louis Axel	SS	8½		Gary, Indiana
Erickson, Louis Hyland	Bus		* †	Oak Park
Erickson, Mary Anna	LAS	57	* †	Chicago
Erickson, Willard Norman LeRoy	Accy	68	* †	DeKalb
Ericson, Rudolph Conrad	EE	36	* †	Orion
Erkel, Ruth Ann	Mus	33	* †	Canton
Erlandson, Albin Carl	LAS			Evanston
Ernest, Bessie	HELAS	21	* †	Urbana
Ernest, Nellie Edith, A.B., 1922	Lib		* †	Urbana
Ernest, Winifred	LAS	33	* †	Urbana
Errant, Florence Morey	SS	133		Urbana
Errant, James Whitcomb	Agr	113	* †	Urbana
Ervin, Elizabeth	HELAS unc		* †	Gillespie
Erwin, Edgar Hawthorne	Arch (SS)	19	* †	O'Fallon
Erwin, Harry Franklin	Bus	8	* †	Sandwich
Erwin, Lewis D	AC	89½	* †	Macomb
Erzinger, Helen Louise	LAS	62	* †	Kankakee
Escher, Gertrude Ida	LAS	31	* †	Chicago
Eschmann, Mary Helen	LAS		* †	Chicago
Eslinger, Lydia Eleanor	LAS	97	* †	Farmington
Esmond, Dale Brown	Agr (SS)	101½	* †	Ottawa
Espey, Frank Stephens	SS	8		Anchor
Esser, Wilbur David	Bus	32	* †	Aurora
Esslinger, Frances Lorene	HELAS		* †	Danville
Essmuller, Arthur F	IA	92	* †	St. Louis, Missouri
Etnoyer, Mary Margaret	LAS	23	* †	Cerro Gordo
EtsHokin, Cobert	PreL	102	* †	Chicago
Ettlinger, Roger Daniel	Bus	32	* †	Chicago
Eubanks, John Edward	SS	5		Chicago
Euvrard, Louis Eugene	SS	8		North Adams, Massachusetts
Euyang, Hsu Chu	Bus (SS)	63	* †	Shanghai, China
Evans, Chester William	SS	11		Bellmont
Evans, David Reid	Bus		* †	Moline
Evans, Eva June	LAS		* †	Chicago
Evans, Floyd Leslie	AE		* †	Kendall, Wisconsin
Evans, Harry Thomas, Jr.	Bus	33	* †	Berwyn
Evans, Helen	HELAS	95½	* †	Wilmette
Evans, Henry Bowman	Bank	97½	* †	Roscoe, Iowa
Evans, John Harwood	SHAEd	99	* †	Bloomington
Evans, John Watkin	AE (SS)	29½	* †	Bloomington
Evans, Lester Charles	LAS		* †	La Grange
Evans, Leta Clair	SS	8		Arcola
Evans, Philips Gardener	Bus (SS)	121½	* †	Davenport, Iowa
Everett, Elmer Edwards	Bus	28½	* †	Ardmore, Oklahoma
Everett, Russell Floyd	Agr		* †	Gala
Eversole, Harold Baker	Bus (SS)	100½	* †	Hindsboro
Eversole, Leverett Wendell	Bus	26½	* †	Westervelt
Eversole, Mildred Elizabeth	LAS	66	* †	Champaign
Ewald, Ralph Waldo	Vsp (SS)		* †	Mt. Carmel
Ewend, Walter Hamilton	ME	37	* †	Peru

Ewing, Dean McLeod	SS	151½	Baldwin
Ewing, James Whitney	ME	68	* † Neoga
Ewing, John Leonard	LAS		* † Etraston
Ewing, Manford Ross	AC	37	* † Plano
Eycleshymer, Albert David	LAS	29	* † Oak Park
Eycleshymer, Ethel	LAS	92½	* † Chicago
Eykamp, Edith	SS	9½	* † Maryland
Eyman, Nepha Mae	LAS	22	* † Argenta
Eyrich, Gerald Joseph	Bus		* † Milford
Fabian, Agustín Carralde	ME	30	* † Manila, Philippine Islands
Fadeley, Sara Peyton	LAS		* † Anderson, Indiana
Fadgen, Thomas Joseph	ChE	43½	* † Clinton, Massachusetts
Fagan, Curtis Harold	LAS	63	* † Ohio
Fagenberg, Rudolph Edward	MinE	119½	* † Parton
Fahnestock, Maurice Kendall	ME	75½	* † Edwardsville
Fahrnkopf, Charles Frank	SS	42½	* † Decatur
Fair, Florence Leone	SS	140½	* † Chrisman
Fairchild, John Edward	SS	69½	* † Maywood
Fairfield, Mary Margaret	HEAgr		* † Chicago
Fairweather, Stanley Andrew James	Jnl	34	* † Cicero
Faissler, Jane Frances	LAS		* † Sycamore
Falberg, Mabel Louise	SS	12½	* † East Moline
Fales, Clyde Byron	AC	28	* † Waterloo, Indiana
Falette, Anthony Joseph	PreM	32	* † Spring Valley
Falkenberg, Petra Eleanor	LAS	63	* † Winnetka
Falkin, Bernice	LAS	97	* † San Jose
Fallon, Antoinette Marie	LAS		* † Urbana
Fallon, Patrick John	FC	64	* † Urbana
Fancher, Theodore Allison	Bus		* † Fairmont, Minnesota
Farina, Charles	AE	24	* † Chicago
Farnam, Florence	LAS	30	* † Pawnee
Farnsworth, Linden Lenord	Bank		* † New Hartford, Iowa
Farnsworth, Wilma Jeanette	LAS		* † Wauconda
Farrar, James Theodore	Accy	69	* † Joplin, Missouri
Farrell, Charles Breyer	MSE	71	* † Chicago
Farrell, Daniel Albert	Bus		* † Chicago
Farrow, Tiera	SS	130	* † Kansas City, Missouri
Farwell, Cornie Angelia	Ed (SS)	75	* † Augusta
Faude, Corvin William	Bus	32	* † Chicago
Faught, Ross C	SS		* † Topeka, Indiana
Faunce, John Clement	Jnl	61	* † Casey
Fausel, Harry John	SS	8½	* † Camden, New Jersey
Faust, Carl Frederick	Lav	28	* † Joliet
Fawcett, Orville Emmett	EE (SS)	116	* † Champaign
Faysonx, Rhea	AC unc		* † Charlotte, North Carolina
Fechtman, Hugh	Bus	66	* † Indianapolis, Indiana
Feek, John Lester	SS	76½	* † Gibson City
Feickert, Arthur Julian	Eng	101	* † Belleville
Felbeck, Mrs. Helen Kniseley	LAS	65	* † Champaign
Feldmann, Earl John	Bus		* † Chicago
Fell, Milan Thomas	LAS		* † LaFayette
Fellenstein, Urban	Accy	69	* † Waterloo
Fellows, Roger Lee, Jr.	CerE	77	* † La Grange
Fells, Clarence George	CerE	35	* † Pine Bluff, Arkansas
Fels, Lawrence	LAS		* † Chicago
Felt, Arthur Webster	AE	43½	* † Kansas City, Missouri
Felter, Alma, A.B., 1922	Lib		* † Eureka
Felton, Lurton Eugene	Accy (SS)	107	* † Mendota
Felts, David Virgil	Jnl	102	* † Marion
Fender, Owen Dewey	Lav	45½	* † Westfield
Fendorf, Robert Maxwell	PreL	8	* † Tuscomb, Missouri
Fenelon, Eunice Sarah	LQ	189	* † Weyauwega, Wisconsin
Fenn, George Prentice	ME	120½	* † Berwyn
Fenwick, Myron Earle	Bus		* † Hoopeston
Ferguson, Charles William	ChE	26½	* † Chicago
Ferguson, Edna Fayette	LAS	21	* † Urbana
Ferguson, Esther Hannah	Mus	69	* † Dixon
Ferguson, Fred Grant	PreM	82½	* † Etna
Ferguson, Harry Clelland	AC	30	* † Benld
Ferguson, Jesse John	AC unc		* † Ossian, Indiana
Ferguson, Leila Gretta	Accy	76½	* † Dixon
Ferguson, Perry Nichols	MinE	115	* † DeKalb
Ferguson, Randon	EE	101	* † Tuscola
Ferguson, Robert Hugh	LAS (SS)	94	* † Champaign
Ferguson, Vance Heber	Bus	8	* † Rock Island
Ferguson, Walter Martin	Bus		* † Beardstown
Fern, William Wayne	Bus		* † Chicago
Ferree, George Bennett	AC	92	* † Neullano, Louisiana
Ferrell, Clifford A	LAS		* † Springfield, Missouri
Ferris, Fred Blackstone	Eng		* † Abingdon
Ferris, Mae Estelle	LAS	30	* † Abingdon
Ferris, Mary Elizabeth	LAS		* † Carthage
Ferris, Paul Bennett	EE	62½	* † Geneva, Wisconsin
Ferris, Whitney	Bus	27½	* † Kankakee
Ferry, Henry Curtis	Bus		* † Zion City

Fessant, Buelah Wuanita	LAS	74	* † Vermilion
Fessenden, Douglas Albert	AC	61	* † Onawa, Iowa
Fessenden, Seth Arthur	LA		* † Onawa, Iowa
Fetzer, Pearl Fort	SS		* † Pikeville, North Carolina
Fetzer, Robert Allison	SS	7½	* † Montreal, North Carolina
Few, Charles Perry	Bus		* † Delavan
Fey, Henry Ridgway	Jnl		* † Morris
Fey, Manuel R	Bus		* † Morris
Fey, Stanley Edgar	Eng	35	* † Chicago
Fiedler, Mary Isabelle	LAS	20	* † Thomasboro
Field, Dayton	Agr	104	* † Chicago
Field, Harford	AE	94	* † Chicago
Fielder, Virgil Byron	Agr	35	* † Fisher
Fields, David Wesley	SS	133	* † Fulton, Wyoming
Fife, Helen Kathryn	LAS	32	* † Palestine
Figel, Andrew	Accy	55	* † Gary, Indiana
Fillingham, Enid	SS	112	* † Chicago
Finch, Nellie Theodore, A.B., 1909	Lib		* † Oxford, Ohio
Findlay, Grace Cecile	Jnl (SS)	45	* † Kokomo, Indiana
Findfeld, Edward Mulliken	LAS	71	* † Arcola
Fingold, May Estelle	LAS		* † Chicago
Finfrook, Stanley Revere	Agr		* † Lanark
Finley, Floyd McKelvey	Agr	106	* † Sparta
Finn, George Andrew	CE	105½	* † Chicago
Finnell, John Harold	Bus	29	* † Aurora
Fiock, Ernest Franklin	ChE (SS)	111½	* † Urbana
Fiock, Georgia Elizabeth	LAS		* † Urbana
Firebaugh, Raymond Sims, B.S., 1921	SS	142	* † Robinson
Fischer, Alice Elizabeth	Bus	31	* † Chicago
Fischer, John Richard	ChE	35	* † River Forest
Fischer, Maurice	PreL	64½	* † Chicago
Fiscus, Alva Elbert	Agr		* † Sumner
Fiscus, Charles Gerald	SS	6	* † North Salem, Indiana
Fiscus, Gladys Bernice	LAS		* † Champaign
Fishback, Theodore	Bus		* † Paris
Fishel, John Virgil	PreM	5	* † Cisne
Fisher, Arthur Glendon	ME	20½	* † Chicago
Fisher, Charles Kendall	Bus	70	* † Park Ridge
Fisher, Dorothy Moss	LAS	40	* † St. Louis, Missouri
Fisher, Earl Webster	Bus		* † Chicago
Fisher, Fred Daniel	AC		* † St. Louis, Missouri
Fisher, Henry Richard	CE		* † Decatur
Fisher, Marion Irene	LAS	2	* † McConnell
Fisher, Richard Ellis	Jnl	65	* † Chicago
Fisher, Robert Eugene	LAS		* † Champaign
Fisher, William Albert, Jr.	Agr (SS)	91½	* † St. Louis, Missouri
Fisher, Zula Fern	Mus		* † Litchfield
Fishman, Joseph	Bus		* † Terre Haute, Indiana
Fishman, Louis Zolo	Mus	25½	* † Chicago
Fishman, Maurice Carlton	Bus	97½	* † Springfield
Fishman, Wilbur Harlow	Agr	98	* † Carbondale
Fiske, Herbert Dick	Accy unc (SS)	57	* † La Grange
Fitch, Erma Mae	SS	57½	* † Greenup
Fitch, Horatio May	CE	108	* † Chicago
Fittge, Erwin Harry	LAS	80	* † St. Louis, Missouri
Fitzgerald, Alex Edward	CerE	35	* † Oglesby
Fitzgerald, Nellie	LAS	65	* † Maple Park
Fitzgerald, Thomas	REE	102½	* † Trenton, Missouri
Fitzhugh, William Cullen	PreL		* † Chicago
Fitzpatrick, Hartley Horace	EE	37	* † Rock Island
Fitzpatrick, James Courtney	Bus	27	* † Chicago
Fitzpatrick, Russell Stoner	Agr	22	* † Palestine
Fitzwilliam, Francis Julius	Bus		* † Champaign
Flacheneker, Lucile Elizabeth	Mus		* † Alton
Flagg, Frank	Accy	71	* † Williamsville
Flagg, Katherine Heher	SHHEEd	60	* † Moro
Flaggert, James John, Jr.	Bus		* † Traverse City, Michigan
Flanders, Seth Webster	CE	87	* † Evanston
Fleetwood, Homer	PreM		* † Chicago
Fleischman, Emma	LAS		* † Chicago
Fleischman, Frieda	LAS		* † Chicago
Fleming, Edna Alice	LAS		* † Champaign
Fleming, Geneva	Arch	118	* † Champaign
Fleming, Merritt Thomas	Bus	27	* † Wilmette
Fleming, Myrtha	SS		* † Raleigh, North Carolina
Fleming, Richard Hill	Bus	45	* † Chicago
Fletcher, Charles Loren	EE	11	* † Urbana
Fletcher, Charlotte Hinchliff	LAS	27	* † La Grange
Fletcher, Robert Bordon	Bus	30	* † La Grange
Flickinger, Milo Potter	CE	163	* † Wichita, Kansas
Flint, Gordon Monroe	Agr	101	* † Belleflower
Flint, Theodore	Bus	41	* † Joliet
Flocken, Linton Hoter	EE		* † Urbana
Flom, Elizabeth	LAS	63	* † Urbana
Flournoy, William Farrar	Bus	76	* † Independence, Missouri

Flowers, Violet Vinneta	Mus	128	* † Champaign
Floyd, Truman Webb	ChE	32	* † Peoria
Flude, John William	ME	31	* † Chicago
Fluke, Metta Amelia	SS	6	‡ Urbana
Foerster, Ferdinand Theodore	Eng		* † Millstadt
Foley, Edith Frances	HEAgr	31	* † Tennessee
Foley, Edward Carl	SS	120	‡ Tennessee
Foley, Paul James	Bus	60	* † Mapleton
Folkers, Clarence Emil	LAS	62½	* † Frankfort
Folkers, Florence Mildred	HEAgr (SS)	72½	* † Frankfort
Follet, Dwight Walcott	LAS	32	* † Maywood
Foot, Edith Loueva	SS	7½	‡ Urbana
Foot, Mary Selina, Ph.B., 1920, A.M., 1922	Law		* New Haven, Connecticut
Foran, Arthur Frederick	Accy	101½	* † Mt. Vernon
Forbes, Oscar Hayden Demoss	SS		* † Boone Mill, Virginia
Ford, Floyd Bryan	LAS	26	* † Carterville
Ford, John Lewis	AE (SS)	80½	* † Meeker, Colorado
Ford, Kenneth Arthur, B.S., 1922	SS	140½	‡ Chicago
Ford, Lee Harold	Agr	100½	* † Greenfield
Ford, Mrs. Neva Nelson, A.B., 1907	Lib		* † Laramie, Wyoming
Ford, Zella Zon	LAS (SS)	97½	* † Carterville
Fordyce, Allman Grant	Arch	127½	* † Kansas City, Missouri
Foreman, Charlotte Miriam	LAS	23	* † Oak Park
Foreman, James Ramsdell	CE	36½	* † Chicago
Forester, D V	Accy	24	‡ Casey
Forsyth, Franklyn Blake	Agr	66	* † Rockford
Forslew, Ella	LAS	97	* † Chicago
Forslew, Johannes Herman	EE	107	* † Chicago
Forster, Parks Kingsley	Agr		* † Alpha
Forsythe, Willard Manning	Bus	51½	* † Marissa
Forsythe, Stanley Davis	EE	96	* † Chicago
Fortier, Leo Reynold	LAS	81	* † Tulsa, Oklahoma
Fortney, Harry Dewey	IED	66½	* † Muncie, Indiana
Fortward, Lawrence La Fayette	IA	73	* † Rochester, New York
Foss, LeRoy Merrill	SS	143	‡ Freeport
Fosse, Agatha Ruth	Jnl	69	* † Chicago
Foster, Armond Thomas	LAS		* † Princerville
Foster, Charles Vernon	Bus	61½	* † Mt. Carroll
Foster, Clara Louise	Bus	42	* † Chicago
Foster, Edward Mern	Accy (SS)	64	* † Danville
Foster, Edwin Stanton	CerE	35	* † Streator
Foster, Eliza Brown	LAS		‡ Springfield
Foster, George Frank	LAS	53	* † Stroud, Oklahoma
Foster, James Edward	LAS	103½	* † Chicago
Foster, James Mervin	FC		* † Auburn
Foster, John Alan	Bus	80½	* † Attica, Indiana
Foster, John McCullough	Bus	77	* † Kansas City, Missouri
Foster, John Paul	Bus	54½	* † Zeigler
Foster, Kenneth Bredin	SS	7½	‡ Franklin, Pennsylvania
Foster, Lawrence Hofner	Bus	102	* † Oak Park
Foster, Lloyd Westley	Agr		* † Earlville
Foster, Louis Omar	Accy	104	* † Vermont
Foster, Sam Reid	Agr	43	* † Alexis
Foster, William Phineas, Jr.	Bus	23	* † Burlington, Iowa
Foulk, William Francis	AE		* † Benton
Fouser, John Ream	EE	64	* † Joliet
Fowler, Chrystal Fern	HELAS	24	* † Metropolis
Fowler, Edna Lucile	SS	17	‡ Irving
Fowler, Horace Holder	IA (SS)	7	* † Wilmette
Fowler, John Lewis	RT	23	* † La Grange
Fowler, Marian Roberta	LAS	46	* † Harrisburg
Fowler, Raymond Justin	IA	35	* † Arcadia, Florida
Fowler, Richard Randolph	IA (SS)	131	* † Champaign
Fowler, Titus Wood	EE	6	* † La Grange
Fox, Arthur Woodworth	RA		* † Palestine
Fox, Barnett Clifton	SS		‡ Winchester, Kentucky
Fox, Edward Alexander	IA		* † Oak Park
Fox, Emily Jane	SS	22½	‡ Allendale
Fox, Ernest Franklin	Agr		* † East Alton
Fox, Fred Holden	IA		* † Davenport, Iowa
Fox, Herman	IA	36	* † Chicago
Fox, Herschell	SS	130½	‡ Chicago
Fox, Jared Wightman	Bus		* † Chicago
Fox, John Perry	ME	78½	* † Chicago
Fox, Mildred Louise	LAS	26	* † Richmond, Virginia
Fox, Minna Louise	SS	8	‡ Cairo
Fox, Robert Armstrong	EE		* † Ashland, Ohio
Fox, William Lyle	Bus	9½	* † Watska
Foyt, William LeVerne	Chem (SS)	104½	* † Galena
Framburg, Stanley Alfred	Bus	26½	* † Chicago
Frame, Earl Russell	Bus	30	* † Hillsboro
Francis, Chester Arthur	AC	94	* † Freeport
Francis, Horace Jay	Law		* † Fort Wayne, Indiana
Francis, John Edward	FOM	68	* † New Lenox
Francisco, Cecil Emry	SS	19½	‡ Findlay

Frank, Raymond William	Bus	31	* † Freeport
Franke, Helen Marie	LAS	72	* † Indianapolis, Indiana
Frankel, Arthur	PreL		* † Chicago
Frankenfeld, Justus Carl	Ag	53	* † St. Charles, Missouri
Frankenfeld, Ralph Louis	Ag	16	* † St. Charles, Missouri
Franklin, Burns Maurice	AC (SS)	101	* † Carlyle
Franklin, Gladys Florence	LAS		* † Chicago
Franklin, Mary Barber	Bus	30	* † Bondville
Franklin, Ruth	LAS	63	* † Spring Valley
Franklin, Stella Corine	LAS		* † Cedar Rapids, Iowa
Franklin, William Riley, Jr.	CL	33	* † Rockford
Franseen, John Herald Theodore	Arch		* † Woodhull
Franseen, Walter Siegfred Ephram	Ed	72	* † Woodhull
Frantz, Myron D	PreM		* † Metcalf
Franzen, Frank Clarence	LA unc (SS)	70	* † Rockford
Fraser, Charles Ray	SS	7	* † White Hall
Fraser, Willard Elwyn	Arch	33	* † Davis Junction
Fraze, Lois Elizabeth	HELAS	101	* † Moweaqua
Fraze, William Havens	AC		* † Rushville, Indiana
Fraze, Alice Belle	SS		* † Urbana
Frazier, Elizabeth	SS	8	* † Callin
Frazier, William Fowler	SS	$\frac{1}{2}$	* † Georgetown
Freas, Ida Marie	LAS	33	* † Milledgeville
Frederick, Joy Thompson	Ag	68	* † Walnut
Frederick, Marie Katherine	LAS	64	* † Galesburg
Frederick, Russel Adair	ChE	$28\frac{1}{2}$	* † Springfield
Fredericks, Leland Oswald	Bus	$38\frac{1}{2}$	* † Joliet
Fredericksen, Henrik Axel	Bus	$60\frac{1}{2}$	* † Rockford
Frederickson, Alice Jane	SS	22	* † Champaign
Frederickson, Joseph Robert	Accy	30	* † Champaign
Freeberg, Oscar Willard	Bus	32	* † Montevideo, Minnesota
Freed, Edward Everett	LAS (SS)	99	* † Rockville, Indiana
Freed, Paul Herbert	PreM	32	* † Moline
Freed, Robert Byron	LAS		* † Rockville, Indiana
Freeman, Harry Duke	LG	116	* † Iuka, Kentucky
Freeman, Isabelle Allen	LAS	$66\frac{3}{4}$	* † Fort Wayne, Indiana
Freeman, John Edwin	Arch		* † Rock Island
Freeman, Ralph Waldo	PreM		* † Ogden
Freeman, Richard Walter	Chem		* † Medina, New York
Freese, Bernice Leone	Bus	91	* † Ogden
Freiberg, Frederick Arthur	AE	$35\frac{1}{2}$	* † Chicago
French, Marjorie Shelton	LAS		* † Chicago
French, Mildred	LAS	63	* † Riverside, California
French, Ralph	SS	8	* † Pontiac, Michigan
Freselle, Raymond Carl	AE		* † Batavia
Freytag, Theodore Julius	PreM	30	* † Naperville
Frick, Eugene Herbert	Ag	38	* † Urbana
Frick, Raymond Lawrence	ME	61	* † Urbana
Friedlander, Nathan	Bus		* † Gary, Indiana
Friedlander, Robert	Bus		* † Chicago
Friedli, Alfred	SS	$8\frac{3}{4}$	* † St. Louis, Missouri
Friedli, Ferdinand Jacob	SS	14	* † Flat Rock
Friedman, Albert Harold	LAS	35	* † St. Louis, Missouri
Friedman, Bernard Robert	Ins	$28\frac{1}{2}$	* † East Chicago, Indiana
Friedman, Harold Samuel	Bus	32	* † Benton Harbor, Michigan
Friedman, Max Marx	Bus	30	* † East Chicago, Indiana
Friedman, Olin Edmunds	LAS	34	* † Herscher
Friedman, Samuel	CE	62	* † Chicago
Friedmeyer, Harry Albert	LAS		* † Springfield
Friend, Gertrude Elizabeth	HELAS	100	* † Chicago
Frier, Florence Noami	HEAg	32	* † Benton
Frith, Marjorie Francis	HEAg	$133\frac{1}{4}$	* † Kankakee
Fritschle, Alice Elizabeth	LAS	31	* † Olney
Fritts, James Edwin	SS	$136\frac{3}{4}$	* † Cowden
Fritts, Robert Emmett	Bus		* † Cowden
Fritz, Edward Albert	REE	42	* † Morton
Froom, Adele Janet	LAS	32	* † La Grange
Frost, Millard Imwood	AE		* † Evansville, Indiana
Fruin, Mary Ellen	SS	16	* † Kankakee
Fruit, Warren Fred	ChE		* † Fruit
Fruteger, Gustav Theodore	Bus	64	* † Olney
Fry, Berwyn Joseph	CE		* † Manistique, Michigan
Fry, Elizabeth Larna	LAS		* † Chicago
Fry, Florence Wilma	LAS	66	* † Chicago
Fry, Grace Bernadine, B.S., 1922	SS		* † Champaign
Fry, Isabelle Jane	LAS	28	* † Petersburg
Fry, Rosemonde Donnabelle	Mus		* † Champaign
Frye, Howard Pascal	Ag	$97\frac{1}{2}$	* † Capron
Fudge, Joseph Franklin	Ag	41	* † Pittsfield
Fuentes, Vicente Sanagustin	ME (SS)	$111\frac{1}{2}$	* † Escalante, Philippine Island
Fuhrmann, Carl John	LAS		* † Wilmette
Fullenwider, Emily Margaret	LAS		* † Mechanicsburg
Fuller, Frances	LAS		* † Joliet
Fuller, Justin Hubert	CL	26	* † Princeton, Missouri
Fuller, Lorene Jeania	LAS	$62\frac{3}{4}$	* † Princeton, Missouri

Fuller, Nathan Frederick	<i>Agr</i>		* †	Chicago
Fuller, Terry Fred	<i>SS</i>	84		Carmi
Fullerton, Faye Irene	<i>SS</i>	6		Tuscola
Fullerton, Greer Gilbert	<i>Bus (SS)</i>	100	* †	Bone Gap
Fullmer, Claran Emmitt	<i>Agr</i>	103½	* †	Urbana
Fulton, Blanche Bernice	<i>LAS</i>	74	* †	Hammond
Fulton, George Leonard	<i>Bus</i>	102¾	* †	Hartford City, Indiana
Fulton, James Peter Augustus	<i>Bus</i>	29	* †	Hartford City, Indiana
Fulton, Mabel Etta	<i>LAS</i>		* †	Waterville, Kansas
Fulton, Paul Cedric	<i>Bus (SS)</i>	102	* †	Dixon
Fultz, Lileth	<i>Bus</i>	68	* †	Fairbury
Fumbanks, Willis Henry	<i>Bus</i>		* †	Dyersburg, Tennessee
Fung, Wai Sun	<i>Bank (SS)</i>	64¾	* †	Manila, Philippine Islands
Funk, Anne Sherman	<i>SS</i>			Danville
Funk, Eleanor Olive	<i>LAS</i>	28	* †	Finley Park
Funk, Eugene Duncan, Jr.	<i>Agr</i>	89¾	* †	Shirley
Funk, Harold Leslie	<i>EE</i>	99	* †	Urbana
Funk, John Christian	<i>Bus</i>	83	* †	Danville
Funk, Lester Rahmanop	<i>Bus</i>		* †	Chicago
Funk, Mary Adell	<i>HEAgr</i>	88	* †	Urbana
Funk, Stanley Louis	<i>Bus</i>	76½	* †	Manchester
Fuson, Alvin Albert	<i>PreM</i>		* †	Bogota
Fussa, Isidoro	<i>SS</i>	9		Rincon, Porto Rico
Gabrielson, Francis Alva Gilbert	<i>FOM</i>	105	* †	Galesburg
Gaddis, Haley Caldwell	<i>AC</i>	10		Tamaroa
Gadient, Chris Henck	<i>ME</i>	27	* †	Rock Island
Gaines, Dorothy Lucinda	<i>HELAS</i>	33	* †	Indianapolis, Indiana
Gaissler, Caio Graccho de Souza	<i>EE</i>	71	* †	Parana, Brazil
Galbraith, Robert	<i>CerE</i>	114	* †	Pine Bluff, Arkansas
Galbraith, Rowena Uimiu	<i>SS</i>	8½		Fairfield
Galbreath, Robert Adam	<i>IA</i>	123½	* †	Pana
Gale, Edwin Oscar	<i>LAS</i>	96¾	* †	Oak Park
Gallagher, Daniel Angelo	<i>Accy</i>	104	* †	Clinton
Gallagher, Milton	<i>Chem</i>		* †	Peru
Gallant, Otis Melvin	<i>LAS</i>	28	* †	St. Louis, Missouri
Galliou, Arthur Banta	<i>Arch (SS)</i>	78	* †	Urbana
Gallivan, Gerald Joseph	<i>Accy</i>	44½	* †	Champaign
Gallivan, Timothy Joseph	<i>Accy</i>	28	* †	Urbana
Galloway, Mary Elizabeth	<i>LAS</i>	31	* †	Little Rock, Arkansas
Galt, Robert Harvey	<i>Chem</i>	27	* †	Winter Park, Florida
Gamage, Harry George	<i>SS</i>	90½		Macomb
Gamble, James Cyril	<i>AC</i>	61	* †	Champaign
Gammage, Frederick John	<i>Flor</i>	124	* †	London, Canada
Ganote, Roy Gentry	<i>PreM</i>		* †	East St. Louis
Gansberger, Richard Henry	<i>SS</i>	137½	* †	Chicago
Ganschietz, Joseph William	<i>AE</i>		* †	East St. Louis
Ganson, William Charles	<i>Bus</i>	72	* †	Joliet
Garber, Irene Louise	<i>LAS</i>	27	* †	Chicago
Gard, Edmund Sebon	<i>Agr (SS)</i>	64	* †	Springfield
Gardey, Erhardt Julius	<i>REE</i>	62	* †	Saginaw, Michigan
Gardiner, Margaret Farmer	<i>LAS</i>	64	* †	Chicago
Gardner, George Ellsworth, Jr.	<i>CxE</i>		* †	Oklahoma City, Oklahoma
Gardner, Harry Robert	<i>CE</i>	70½	* †	Warren
Gardner, Homer Frank	<i>CE</i>	80½	* †	East St. Louis
Gardner, J Paul	<i>Agr</i>	60½	* †	Urbana
Gardner, Junius Raymond	<i>CE</i>	130	* †	Rockford
Gardner, Lyle Burdette	<i>CerE</i>		* †	Warren
Gardner, William J	<i>SS</i>			Urbana
Garey, Luther Thomas	<i>Chem</i>	103	* †	Wilmington, Delaware
Gargan, Joseph Edward	<i>AC</i>	79	* †	Simsbury, Connecticut
Garland, John Courier	<i>Ins</i>	66	* †	Dubuque, Iowa
Garlick, Fred White	<i>Bus</i>		* †	Chicago
Garn, Rulo Edward	<i>LAS</i>	32	* †	Plymouth, Indiana
Garner, Charles Wax	<i>AC</i>	76	* †	De Kalb
Garns, Howard Scott	<i>AE</i>		* †	Indianapolis, Indiana
Garrett, Orlando Ford	<i>Agr</i>		* †	Metropolis
Garrison, Earl Raymond	<i>Agr</i>		* †	Centralia
Garrison, Mark Anthony	<i>PreL (SS)</i>	76½	* †	Rushville
Garrison, William Homer	<i>ME</i>	36	* †	White Hall
Garstang, Gladys Eloise	<i>Ed</i>	100½	* †	Champaign
Garth, Mrs. Leta Palingreen	<i>LAS</i>	21	* †	Chicago
Garth, Thomas Tyrrell	<i>Bus</i>	100½	* †	Beaumont, Texas
Gartlan, Mary Clotilda	<i>SS</i>	12½	* †	Springfield
Garvey, Neil Ford	<i>Ed</i>	66¾	* †	Illtopolis
Garvin, Katherine Eleanor	<i>SS</i>	7		Windsor
Garvin, Wiley Boyce	<i>Ed unc</i>	77½	* †	Champaign
Gary, Aden Childs	<i>LAS</i>		* †	Wheaton
Gary, Robert Eugene	<i>Bus</i>		* †	Wheaton
Gary, Virginia Louise	<i>LAS</i>		* †	Riverside
Gasen, Sara	<i>HELAS</i>	61	* †	Virden
Gaskins, Hazel Lockwood	<i>HEAgr</i>		* †	Harrisburg
Gaskins, Tom Otis	<i>Accy</i>		* †	Harrisburg
Gaston, Helen Phebe	<i>HELAS (SS)</i>	45	* †	Champaign
Gates, Natlan Phillips	<i>LAS</i>	69½	* †	Chicago
Gates, William Spalding, Jr.	<i>RME</i>	40	* †	Chicago

Gathany, Marjorie Jeannette	Jnl	24	* † Kankakee
Gathany, William VanDurvort	Bus	24	* † Kankakee
Gauger, Earl Victor	Arch	107 $\frac{3}{4}$	* † Charles City, Iowa
Gauger, Raymond Julius	AE	36	* † Charles City, Iowa
Gaumer, Everett Hale	Agr (SS)	21 $\frac{1}{2}$	* † Danville
Gauthier, Genevieve Belair	LAS		* † Hammond, Indiana
Gay, William Burton	Accy	33	* † Jamestown, New York
Gebhardt, William Henry	Bus	66	* † Chicago
Geddes, Frances	Mus		* † Joplin, Missouri
Gee, Charles Sholly Hartwell	CE	103	* † Rockford
Gee, Dorothy Vernon	LAS (SS)	78 $\frac{3}{4}$	* † Lawrenceville
Gee, Guy Kenney	Agr	82 $\frac{1}{2}$	* † Paxton
Gehlbach, Alton Frederick	Bus		* † Lincoln
Gehlbach, Elmer Henry	Bus		* † Beason
Gehlbach, Lee	IA	81	* † Beason
Gehrt, Rollin Lawrence	Agr	100	* † Rantoul
Geiger, Edna Carrie	Ed	84 $\frac{1}{2}$	* † Cissna Park
Geiger, Edwin Stein	Agr (SS)	106	* † Mt. Carmel
Geiger, Joseph Simon	Bus		* † Ottawa
Geis, Clarence George	Bus		* † Enid, Oklahoma
Geissler, Charles Robert	Bus		* † Oak Park
Geist, Florence Esther	LAS	101	* † Chicago
Gellert, Anita Mary Anna	LAS	98 $\frac{1}{4}$	* † Chicago
Gellert, Charlotte Marguerita	LAS	69	* † Chicago
Geltz, Harry	SS	7	* † Pittsburgh, Pennsylvania
Gelwick, Corwin Will	Bus		* † Danville
Genre, Duane Joseph	Agr	34	* † Greenville
George, Harry H.	SS		* † Pullman, Wisconsin
George, Lovell Watkins	Law	3	* † Olney
George, Olive Esther	LAS	33	* † Chicago
Georgioff, Bogomil	Bank (SS)	110	* † Ralgrad, Bulgaria
Gerard, Grace Bryan	SHHEEd	101	* † Hadley
Gerber, Arthur Lawrence	Arch	23 $\frac{1}{2}$	* † Chicago
Gerdes, Irma Charlotte Margoretha	Ed	104	* † Quincy
Gerdes, William Frederick, Jr.	CE	72	* † Quincy
Gere, Genevieve	LAS		* † Urbana
Gerhardt, Royal Matthew	AE	107	* † Brookfield
Gerig, Mary Blosser	LAS unc		* † Rawson, Ohio
Gerke, Elizabeth Mary	LAS	34	* † Edwardsville
Gerlach, Daniel Stewart	Agr		* † Sparta
Gher, Reginald Owen	Accy (SS)	103 $\frac{1}{2}$	* † Allendale
Giacomelli, Geno John	Law		* † Ladd
Gibban, Joseph Dillard	Bus		* † Burlington, Kansas
Gibbs, Douglas James	Bus (SS)	104	* † Chicago
Gibson, Charles Henry	Arch		* † Chicago
Gibson, Ethel Mary	Bus		* † Glendale, California
Gibson, Genevra Bush	Jnl	66	* † Sheldon
Gibson, James Dick	Law	28	* † Muskogee, Oklahoma
Gibson, James Hamilton	IA		* † Chicago
Gibson, John McClure	Agr	111 $\frac{3}{4}$	* † Atlanta, Georgia
Gibson, John Thomas	Law	28	* † Muskogee, Oklahoma
Gibson, Mary Lucile	SS	34 $\frac{3}{4}$	* † Urbana
Gibson, Ruth Minier	LAS		* † Villa Grove
Gibson, Thelma Grace	LAS		* † Chicago
Gibson, William Alexander	Bus		* † Glendale, California
Giese, Esther Aline	LAS	104	* † Champaign
Giesen, Casper Theodore	LAS		* † Hamilton
Gieshe, Raymond Franklin	LAS		* † Barrington
Giessow, Thelma	LAS	67	* † St. Louis, Missouri
Giffin, Louis McAllister	AE	96 $\frac{3}{4}$	* † Fairmont, West Virginia
Giffin, Veva Mary	HEAgr (SS)	91	* † Charleston
Giffing, Harry John	RA unc		* † Princeton
Gifford, William Allen	Bus		* † Chicago
Gilbert, George William	ChE	35	* † Peoria
Gilbert, Helen Gale	SS	136	* † Mt. Vernon
Gilbert, Leonard Beck	Bus		* † Waukegan
Gilbert, Marvin Stewart	Bus	69	* † Chicago
Gilbert, Una Irene	LAS	99	* † Crystal Lake
Gilbert, Wayne Aaron	Agr		* † Loami
Gilbreath, Barbara Marie	LAS (SS)	95 $\frac{1}{2}$	* † Watseka
Gilbreath, George Francis	Bus (SS)	97	* † Watseka
Gilchrest, Charles Jewett	LAS	5	* † LaGrange
Gilchrist, Theodore, Jr.	Bus	100	* † Crescent City
Giles, Robert Theodore	SS	7 $\frac{1}{2}$	* † Hillsboro, North Carolina
Gill, Gordon Maxwell	EE		* † Arlington Heights
Gill, Ivan C., B.S., 1921	SS	142	* † Champaign
Gillespie, Frank	PreL		* † Cairo
Gillespie, Frank Stanley	Accy	97	* † Springer, New Mexico
Gillespie, Fred Davidson, Jr.	PreL	31	* † Harris
Gillespie, Martha	LAS	32	* † East St. Louis
Gillespie, Ruth Elizabeth	HEAgr	94 $\frac{1}{2}$	* † Pittsfield
Gillet, Lewis Todd	Bus	31	* † Aurora
Gillette, William Henry	Accy	109 $\frac{1}{4}$	* † Urbana
Gillham, Charles Edward	SS	135	* † Edwardsville
Gillham, Norman Flagg	Bus	27	* † Edwardsville

Gillick, Irving Trimm	Bus		* †	Park Ridge
Gillison, James Herbert	PreL	54	* †	Danville
Gillooly, Edna Everetta	LAS	110	* †	Mt. Carroll
Gilman, Alfred Truesdell	AE	51	* †	Belvidere
Gilman, Lydon Ainsworth	CE	39	* †	Kansas City, Missouri
Gilmer, Louis Adams	CerE		* †	Quincy
Gilmore, Franklin	Bus	100	* †	Oak Park
Gilmore, William Edward	Law	72	* †	Champaign
Gilmore, William Young	Agr	25½	* †	Oak Park
Gilpin, Fred Peterson	EE	67½	* †	Kansas City, Missouri
Gilsdoff, Howard Henry	Bank	21½	* †	Chicago
Gilson, Henry Francis	AC unc		* †	Chicago
Gilson, Robert Hiram	Law	50½	* †	Blue Island
Giltner, Gwendolyn Elizabeth	LAS	30	* †	Chicago
Ginnings, Defoe Childress	LAS	16	* †	Macomb
Ginsberg, Sidney	FC	31	* †	Chicago
Gipson, Charles Franklin	Agr	104	* †	Amboy
Given, Jack Greenfield	Bus	80	* †	East Chicago, Indiana
Gjessing, Harry	MinE	108	* †	Joliet
Glaeser, Elmer William	Law	1½	* †	Chicago
Glanzner, Elvera Emelie	HEAgr (SS)	64	* †	Trenton
Glascock, David Albert	SS	8½		
Glasgow, Glen Earl	PreM	102½		
Glasgow, William Lester	Law	3	* †	Crawfordsville, Indiana
Glass, William Carl	ME	129	* †	Hanna City
Glassford, George Bradley	EE	26	* †	Monticello
Glassman, Morris Alexander	CE	111	* †	Rock Island
Gleghorn, Alfred Holmes	Bus		* †	Chicago
Gleick, Joseph Theodore	LAS (SS)	115	* †	Morris
Glenn, Burr Hoover	PreL	32	* †	Webster Groves, Missouri
Glenn, Dorothy May	LAS	90	* †	Huntington, Indiana
Glenn, Maude	HELAS		* †	Chicago
Glenwright, John, Jr.	Accy	32	* †	Mt. Vernon
Glick, Joseph Paul	SS	8	* †	Springfield
Glicken, Maurice Jerome	AE	95½	* †	Bridgewater, Virginia
Glidden, Doris	HELAS	93	* †	Chicago
Gloekler, Ruth Elizabeth	LAS		* †	DeKalb
Glos, Raymond Eugene	Bus	33	* †	West Chicago
Glotfelty, Thomas Edward	REE (SS)	104½	* †	Wayne
Glynn, Mary Vincent	SS	12½	* †	DuQuoin
Goad, Henry Harvey	SS			Nautoo
Goad, Louis Clifford	ME	108	* †	Vandalia
Goble, Emerson Lloyd	EE	113	* †	Urbana
Goda, Lester Harry	Bus		* †	Elgin
Goddard, Austin Jay	Bus		* †	Chicago
Goddard, Leland Paul	Bus	34	* †	Davenport, Iowa
Goddard, Mary Antoinette	Jnl		* †	Forest Park
Godfrey, Edward Beecher	SS	9¾	* †	Washington
Godfrey, Joseph Charles, Jr.	Jnl (SS)	104½	* †	Spokane, Washington
Goe, Mildred	LAS	25	* †	Oak Park
Goebel, Eunice Cooksey	LAS	46	* †	Chicago
Goebel, Oscar Herbert	Bus		* †	Urbana
Goebel, Ralph Nicholas	Chem	94	* †	Evanston, Indiana
Goedde, Florence Henrietta	LAS	66	* †	Sheridan, Wyoming
Goelitz, Mildred June	LAS	48	* †	Chi ago
Goetz, Leonard Clifford	CE	37	* †	Ravinia
Goff, Frances Melissa	LAS	31	* †	Collinsville
Goff, Joseph Richard	ME	69	* †	Colorado Springs, Colorado
Gohsen, Earl John	SS	6¾	* †	Colorado Springs, Colorado
Gohn, Mrs. Mollie Davis, A.B., 1913	SS	132		White Bear, Minnesota
Golb, Samuel Henry	CE	137		Fairmont
Goldberg, Albin Gilbert	Accy	59¾	* †	Chicago
Goldberg, Isaiah Wilkoff	Bus		* †	Joliet
Goldblatt, Irving Cli	Bus		* †	Youngstown, Ohio
Goldburg, Norman Michael	LAS		* †	Chicago
Golder, Mary Merle	LAS	28	* †	Quincy
Goldman, Sidney Herbert	Bus		* †	Rock Falls
Goldring, Harold	LAS		* †	Gary, Indiana
Goldstein, Bertha Rebecca	Mus		* †	Chicago
Goldstein, Harold Marvin	Bus		* †	Chicago
Goldstein, Lally	AC		* †	Chicago
Goldstone, Lillian Katharine	LAS (SS)	101½	* †	Grafton, North Dakota
Gooch, John Horace	Agr	112	* †	Albion
Good, Allan James	Bus	57½	* †	Kewanee
Goodall, John Cobb	LAS	31	* †	Carbondale
Goodall, Robert Francis	Jnl		* †	Chicago
Goodall, Virginia May	LAS	35	* †	Capron
Goode, John Layman	SS	8		Shawnee, Oklahoma
Goodell, Harvey Leeper	CE	37	* †	Beardstown
Goodell, Helen Elizabeth	Ed	71	* †	Loda
Goodell, Horace Holbrook	CE	119	* †	Beardstown
Goodell, Hubert Ellis	CE	67½	* †	Beardstown
Goodheart, Edmund James	CE	41	* †	Chicago
Goodheart, William Raymond, Jr.	PreM		* †	Chicago
Goodman, Claire	Eng	36	* †	Evanston

Goodman, David Frederick	Bus	30½	† Carthage
Goodman, Dwight John	ME		* † Centralia
Goodman, Pauline	LAS	16½	* † Chicago
Goodman, Reva Louise	LAS		* † Carmi
Goodpasture, Charles Henry	IA	17½	* † Auburn
Goodrich, Owen Rufus	Eng	63	* † Peoria
Goodridge, Robert Harry	Bus		* † Oak Park
Goodwillie, Walter Mehlon	Bus	26	* † Chicago
Goodwin, James William	LAS		* † Frankfort, Indiana
Goodwine, Gleya	Jnl	66½	* † Rockford
Goss, Robert Harold	SS	63½	* † Yates City
Gordon, Benjamin Franklin	SS	96	* † Wynne, Arkansas
Gordon, Harold Henry	Ag	97½	* † Alla
Gordon, Lenore Alexandria	LAS	22	* † Glen Ellyn
Gordon, Lewis Alexander	LAS		* † Glen Ellyn
Gordor, Mary Lorene	LAS		* † Ottumwa, Iowa
Gordon, Russell Mark	IA	64½	* † Pontiac
Gordon, Wendell Holmes	SS	139½	* † Urbana
Gore, Forrest Bird	Law	40	* † Carlinville
Gorenstein, Edward Abe	Bus		* † Chicago
Gorfinkel, Leon Harold	PreM	41½	* † Chicago
Gosman, Olivia Ann	LAS	64	* † Jasper, Indiana
Gostelow, Willard Franklin	LAS		* † Ottawa
Gould, Mrs. Alice Lois	SS	14	* † Waverly
Gould, Edwin Malcolm	SS	3½	* † Cisse
Gould, Marion Jennings	Accy	83½	* † Yates City
Gould, Richard Ernest	ME	112½	* † Chicago
Gould, Wilfred Edwin	Ag	33½	* † Monteer, Missouri
Goulding, Robert LeRoy	Bus (SS)	66	* † Alton
Gower, Roland Dewey	Bus (SS)	91	* † Mendota
Gower, Virgil Alvin	Bus		* † Mendota
Gower, Walter Eugene	LAS	34	* † Odell
Grabowski, Michael Kaymer	CE		* † DuBois
Grace, Herman Wallace	LAS		* † Keensburg
Grady, Guy Randall	ME	87	* † Joliet
Grady, Paul	Accy	119	* † Marion
Graesser, Mrs. Lois M	LAS (SS)	16	* † Champaign
Graham, Claire Embley	LAS	60	* † Abingdon
Graham, Frank Shipley	LAS	48	* † Hindsboro
Graham, George Harold	LAS	26	* † Chicago
Graham, Harold Haynes	Law	61	* † Canton
Graham, Marcella	Jnl	79½	* † Chicago
Graham, Ray Scott	Ag	101	* † Pittsfield
Graham, Wynne B	SS	8	* † Denton, Texas
Graicunas, Algirdas Andrew, B.S., 1922	SS	132½	* † Chicago
Grampp, John Ralph	EE		* † Minonk
Grange, Harold Edward	Bus		* † Wheaton
Grange, Roger Tibbetts	ChE	36	* † Ladysmith, Wisconsin
Granlund, Malvin Fred	EE		* † Park Ridge
Grant, Alistair Frazer	AC unc		* † Evanston
Grant, Joseph Glenard Henry	Bus	76	* † Harrisburg
Grant, Mary	SS	7½	* † Marion
Grant, Ruth Margaret, A.B., 1916	SS	141	* † Urbana
Grant, Samuel	ChE	121	* † Chicago
Grau, Frederick Jericho	FC	24	* † Mt. Pleasant, Iowa
Graves, George Keene, Jr.	Bus	28	* † Lexington, Kentucky
Graves, Mrs Gladys Beal, A.B., 1919	Mus irr		* † St. Louis, Missouri
Graves, John Ralph	Ag	24	* † Downers Grove
Graves, Kenneth Osborn	LG	46½	* † Chicago
Graves, Ruth Bernadine	LAS	99	* † Bloomington
Gray, Anna Winifred	ED (SS)	76	* † Urbana
Gray, Arlene	LAS		* † Kankakee
Gray, Dorothy Ida	LAS		* † Cedar Rapids, Iowa
Gray, Elizabeth Louise	LAS (SS)	33½	* † Urbana
Gray, Glenn Albert	Bus		* † Indianapolis, Indiana
Gray, Harold Carey	Bus	26	* † Lima, New York
Gray, Harold Miller	Accy	27	* † Rantoul
Gray, Helen Frances	LAS	26	* † Springfield
Gray, Louise S	HELAS		* † Chicago
Gray, Sara Johnston	LAS unc		* † Charleston
Gray, Viola Mae	LAS	73½	* † Urbana
Gray, Walter Scott	EE	36	* † Springfield
Greathouse, Bernice	HEAgr	60	* † Toledo
Greaves, Herman Bruce	LAS	36	* † Collinsville
Greeley, Paul Webb	PreM	96	* † Waterman
Green, Drue Alfred	Law (SS)	40½	* † Parkersburg
Green, Helen Marie	HELAS	33	* † LaGrange
Green, James Francis	EE		* † Rockford
Green, Ruth Frances	LAS	101	* † Dundee
Green, Vivian Julius	Ag	94	* † Fithian
Green, Winifred	HELAS	69	* † Oakwood
Greenbaum, Howard Milton	ME	121	* † Cleveland, Ohio
Greenbaum, Minette Lorraine	LAS	26	* † Chicago
Greenberg, Saul Louis	LAS	27	* † Chicago
Greenberg, Solomon	CE	47	* † Chicago

Greenburg, George Gersham, Jr.	Eng		† Chicago
Greene, Earl Blair	Agr	120 $\frac{3}{4}$	† Chicago
Greene, Grace Margaret	LAS	16	* † Naperville
Greene, Howard Webber	Agr	97	* † Edelstein
Greene, Joseph William	ELE		* † East St. Louis
Greening, Jesse Arthur	Bus	100	* † Streator
Greenleaf, Herrick Ernest Herbert	SS	7	* † Waltham, Massachusetts
Greenleaf, Samuel Floyd	Bus		* † Waukegan
Greenwald, David Paul	Bus	30	* † Hammond, Indiana
Greenwill, Thomas Basil	AC	66	* † Farmington
Greenwood, Nettie May	SS	7	* † Odell
Greenwood, William Benjamin	ME		* † DuQuoin
Greer, De Etta Iona	HELAS (SS)	7	* † Urbana
Greer, Garth Orville	LAS	143 $\frac{1}{2}$	* † Urbana
Greer, Gladys	SS	7 $\frac{1}{2}$	* † Rushville
Greer, Homer Drury	Bus	23	* † Urbana
Greer, Russell Allen	PreL	62	* † East St. Louis
Gregg, Glenn Warren	AC	32	* † Champaign
Gregg, Jean Passmohr	HELAS	97	* † Chicago
Gregg, John Wyatt	Arch		* † Milwaukee, Wisconsin
Gregory, Charles Edwin, Jr.	Bus		* † Chicago
Gregory, Emma	LAS unc		* † Normal
Gregory, Harold Percy	AE		* † East St. Louis
Gregory, Nina Belle	HEAgr (SS)	66	* † Urbana
Greve, Hattie Louise	SS		* † Savanna
Greyer, John Edward	AC		* † Earlville
Gridley, Edna Irene	HELAS		* † Harvey
Gridley, Rachael Beatrice	LAS		* † Virginia
Gries, Albin George	LG (SS)	131	* † Chicago
Grieve, Florence Delaphin	LAS		* † Madison, Wisconsin
Griffin, Edwin David	Agr	77	* † New Athens
Griffin, Frances Elizabeth	LAS		* † Grant Park
Griffin, Judson Roy	LAS	73 $\frac{1}{2}$	* † Elkhart, Indiana
Griffin, Mary Avery	LAS	33	* † Champaign
Griffin, Stephen William	Vsp (SS)		* † New Athens
Griffith, James Curtis	Agr		* † Oblong
Griffith, Mabel Frances	LAS (SS)	29	* † Rankin
Griffith, Walter George, Jr.	Agr	104	* † McNabb
Griggins, Louis Stanley	CL		* † North Chicago
Griggs, Clarence Dominique	Bus (SS)	114	* † Metamora
Griggs, Helen Mary	LAS		* † Chicago
Grigsby, Melborn Redmond	SS	160 $\frac{1}{2}$	* † Petersburg, Indiana
Grills, Emma Myra Lelitia	SS		* † Chicago
Grim, Robert Frederick	Bus		* † La Grange
Grimes, Helen Margaret	Mus	2	* † Urbana
Grimm, Gretchen	SS	8	* † Urbana
Grimm, Lester Ray	SS	7 $\frac{1}{2}$	* † Litchfield
Grisson, Leo Leslie	SS	60	* † Casey
Groffmann, Russell Cyrus	CL		* † St. Louis, Missouri
Grogan, Glenroy Gardner	CerE	36	* † Des Plaines
Groh, Nelle Marie	SS	117 $\frac{1}{2}$	* † Port Byron
Grosch, Albert Edwin	Bus	66	* † Centralia
Grosche, Alfred George, B.S., 1919	SS	147 $\frac{1}{2}$	* † Matteson
Gross, Annette	LAS	42	* † Chicago
Gross, Herman Alphonse	PreM		* † Harvey
Gross, Meda Floy	SS	101 $\frac{1}{2}$	* † Marva
Gross, Roland Albert	LAS	47	* † Grand Rapids, Michigan
Gross, Thusenelda Clestia	LAS (SS)	45 $\frac{1}{2}$	* † Urbana
Gross, Walter Henry	Accey	72	* † Buckley
Grossart, Charles Richard	Bus	36	* † Belleville
Grosskoff, Charles Edward	CE (SS)	67	* † Michigan City, Indiana
Grossman, Charles	IA	33 $\frac{1}{2}$	* † Chicago
Grossman, Edwin Peter	LAS		* † Chicago
Grossman, Thelma	LAS	26	* † St. Louis, Missouri
Grosstephan, Arthur Rudolph	FOM	34	* † Chicago
Grote, Carl Martin	Bus		* † Wheaton
Grout, Jack Rupert, Jr.	CerE	37	* † Chicago
Grout, John Berthold	Bus		* † Rockford
Grove, Clarence Lester	SS	6 $\frac{5}{8}$	* † Shady Grove, Pennsylvania
Grove, Frances Mary	LAS	101	* † St. Louis, Missouri
Grover, Mary Lucinda	SS	8	* † Marengo
Growcock, Myron Joshua	Vsp (SS)		* † Columbia City, Indiana
Grubb, Forrest Charles	Accey		* † Sheffield
Grubb, Jeanette Parry	SS		* † Galesburg
Grubb, Joseph Claron	FC	34 $\frac{1}{2}$	* † Chicago
Grubb, Kenneth Alfred	Bus	102	* † Atlantic, Iowa
Gruenberg, Axel Archibald	Jnl		* † Detroit, Michigan
Grylich, Raymond Edward	ME		* † Champaign
Guckert, Elroy Simon	SS		* † Sandusky, Ohio
Guenther, Otto Hugo	Agr unc (SS)	18	* † Normal
Guenther, Raymond	EE	107	* † Paterson, New Jersey
Guernsey, Donald Lewis	Chem		* † Vincennes, Indiana
Guernsey, Roy Donaldson	Bank	32	* † Bound Brook, New Jersey
Guernsey, William Donaldson	PreL		* † Chicago
Guha, Amulya Chandra	EE (SS)	40 $\frac{1}{2}$	* † Bengal, India

Guilliams, Donald Faulkner	Bus	2	* Evanston
Gulick, Catherine	LAS	31	* Champaign
Gulick, Margaret	PreM		* + Champaign
Gullette, Edward Ewing	Bus	32	* + Deer Lodge, Montana
Gullis, Sarah Elizabeth	LAS		* + Streator
Gulmyer, Reginald Joseph	Bus	63	* + Elkhart, Indiana
Gunawardena, Don Philip Rupasingha	FC		* + Waga, Ceylon
Gundlach, Wallace Charles	LAS	98	* + St. Louis, Missouri
Gundy, Glen Verlon	Ed	60	* + Memphis, Missouri
Gunn, Horace Edison	LAS		* + Danville
Gunning, Mary Gerard	SS	16½	* + Springfield
Gurnett, Gail Vincent	Eng		* + De Pue
Gurtler, William August	CE	98½	* + Chicago
Gustafson, Claribel Mae	SS		* + Maywood
Gustavison, Floyd Elmer	Bus	31	* + Kingston
Guthrie, Kenneth William	CE (SS)	109½	* + Pekin
Guttman, Paul H	SS	3½	* + St. Louis, Missouri
Gutysell, Marjorie Jane	LAS	29	* + St. Louis, Missouri
Gwinn, Andrew Burkey	LAS	111½	* + Champaign
Gwinn, Bessie Duff	LAS	62	* + Terre Haute, Indiana
Gwinn, George Roland	IEd		* + Champaign
Gwinn, John Fulton	FOM	37	* + Champaign
Gwinn, Marian	LAS		* + Champaign
Gyger, Kenneth McVeagh	PreL		* + Princeton
Haake, Marell Henry	Agr	96	* + Fillmore
Haas, Eli Samuel	ChE	67½	* + Chicago
Haas, Milton Carl	Bus		* + South Bend, Indiana
Habbegger, Fred Louis	PreL		* + Pocahontas
Hackbarth, Alfred Ernest Frank	PreL		* + Champaign
Hackerson, Carl Victor	Bus		* + Loda
Hackett, Robert Phillip	Accy	92½	* + Rochelle
Hackley, Ruth Gertrude	Bus		* + Urbana
Hackman, Marietta Duff	LAS	29	* + Havana
Haddick, Ralph Pryce	Bus	61	* + Moline
Hadfield, Harold William	EE		* + Collinsville
Hadley, Milton Herschel	SS	16¼	* + Plainfield, Indiana
Hadley, Rossalind	LAS		* + Chicago
Hadley, Wilbur Powell	Bank	57	* + Collinsville
Hadlock, George Willard	IA		* + Urbana
Haering, Veronica Lucille	LAS	83	* + Chicago
Haforkamp, John Herman	SS	4½	* + Augusta, Missouri
Hagedorn, Harry Peter	ChE	100	* + Chicago
Hagee, James Flournoy	ChE		* + Thayer, West Virginia
Hagen, Adele Clara	LAS	96	* + Oak Park
Hagen, Fred Ellis	Agr	63	* + Hubbard Woods
Hagener, Charles	ME	112½	* + Beardstown
Hager, David Chester	LAS (SS)	39	* + Columbus, Indiana
Hager, LaVerne Francis	Jnl		* + Barrington
Hager, Levi James	Agr	59½	* + Altona
Hagnauer, Waldo W	ME		* + Highland
Hahn, Ernest Sattler	Bus		* + Chicago
Hahn, Herman Edward	EE	105	* + Kansas City, Missouri
Hahn, Madeline Reta	SS	6	* + Danville
Hahneman, Verne Leslie	Bus	4	* + Chicago
Haile, John Leeford	IA		* + Snyder, Oklahoma
Haines, Harold Frederick	Bus		* + Champaign
Haines, Leonard Martin	Bus		* + Belvidere
Haines, Leslie Clinton	FC (SS)	51	* + Gurnee
Haines, Russel D	Accy	68	* + Denver, Indiana
Hainsfurther, Richard	Arch		* + Winchester
Haldeman, Virgil Kenneth	CerE	114½	* + Ponca City, Oklahoma
Hale, Dorothy	SHHEAgr	69	* + Omaha
Haley, Henry Alfred	CE		* + Champaign
Haley, Henry Howard	SS	6	* + Brookport
Haley, Kenneth Huber	Accy	58	* + East Lynn
Haley, Marion Marguerite	LAS	97	* + Buda
Hall, Alton Gefford	PreL		* + Springfield
Hall, Clifford Scoville	AC		* + Watska
Hall, Colby	PreM	29½	* + Springfield
Hall, Elbridge William	Agr unc (SS)	28½	* + Los Angeles, California
Hall, Ernest Orville	SS		* + Urbana
Hall, Florence Christie	SS	5	* + Franklin, Indiana
Hall, Frank Richards	Agr	117	* + Eureka
Hall, Gladys Gere	LAS	66	* + Champaign
Hall, Harold Edward	LAS		* + Greenville
Hall, Harold Smith	Bus		* + Camargo
Hall, Harry Archibald	Bus	32½	* + Chicago
Hall, Hugh Fisher, B.S., 1921	SS	138½	* + Bement
Hall, John Coleman	Bus		* + Greenup
Hall, John Wesley	CerE	47	* + Baltimore, Maryland
Hall, Lewis Franklin	Bus		* + Berwyn
Hall, Marjory Isabel	LAS	28	* + Urbana
Hall, Mary Frances	HELAS		* + Sullivan
Hall, Maurice LeMoynne	SS	6½	* + Eureka
Hall, Melvin Eugene	Accy	69	* + Carterville

Hall, Powell Storrs	Arch	86 $\frac{3}{4}$	* †	Ryson, Wisconsin
Hall, Richard Lewis	Bus	23	* †	Logansport, Indiana
Hall, Robert Benson	ME	37	* †	Berwyn
Hall, Ross Cyril	EE	119	* †	Rose Hill
Hall, Wilford	PreM		* †	Mt. Vernon
Hall, William Carleton	SS	7 $\frac{1}{2}$		Keets Hill, Ohio
Halladay, Lois Porter, A.B., 1915	Lib		*	Urbana
Haller, Norma Lorraine, B.S., 1917	Lib (SS)	16	* †	Estherville, Iowa
Hallett, Howard Worthington	ME	107	* †	Chicago
Hallock, Leland Eugene	Apr		* †	Ashmore
Halloin, William Gustave	CerE	34 $\frac{1}{2}$	* †	Green Bay, Wisconsin
Hallstein, Fred John	CE	107 $\frac{1}{2}$	* †	Pekin
Halpenny, Lawrence	PreL	33	*	Chicago
Halperin, Bernard	Jnl	2	* †	Oak Park
Halpin, Michael Philip	CE	8	* †	Springfield
Halushka, Cornelius Paul	LAS	73 $\frac{1}{2}$	* †	Urbana
Hamacher, Adele Catherine	LAS	18	* †	Waterloo
Hamblen, Lillian May	LAS	95	* †	Chicago
Hamblin, Lester Maynard	SS			Lewiston
Hamby, William Irvin	Arch	27	* †	Dawson Springs, Kentucky
Hamerstrom, Norman Elwood	Chem (SS)	85	*	Galesburg
Hamill, Alice Elizabeth	LAS	6	* †	Sandwich
Hamilton, Carol	SS	3		Augusta
Hamilton, Don Herman, B.S., 1917	SS	147		Paris
Hamilton, Ernest Force	PreL	28 $\frac{3}{4}$	†	Danville
Hamilton, Grace Leonora	LAS	103	* †	LaSalle
Hamilton, Mrs. Hallie Bales	SS	5 $\frac{5}{8}$		McLeansboro
Hamilton, James Colburn	PreL	23	* †	Maywood
Hamilton, John Leonard, Jr.	Arch		* †	Winnetka
Hamilton, Joseph Roe	FOM	71	* †	Galesburg
Hamilton, Lee Connable	PreL		* †	Mound
Hamilton, Muriel	SS	3		Augusta
Hamilton, Robert Hillry	SS	9		Macdonia
Hamilton, Thomas Patrick	ME (SS)	125 $\frac{1}{2}$	* †	Clinton
Hamlin, Ina Marie	SS			Urbana
Hamlin, Iva Pearl	LAS (SS)	104	* †	Urbana
Hamlin, Willa Sue	HELAS	64	* †	Urbana
Hamn, Bessie Lucile	LAS	79 $\frac{1}{2}$	* †	Champaign
Hamn, Martin Isaac	Bank	59	* †	Strasburg
Hamn, William Eugene	ME	66	* †	Chicago
Hamnack, Robert Gale	Apr (SS)	54	* †	Pineknayville
Hamnaker, Paul M	Bus	36	* †	Youngstown, Ohio
Hamman, Bertha Orra	LAS	34	* †	Bement
Hamman, Ruth Jeanette	LAS	33	* †	Decatur
Hammann, Doris Josephine	HELAS (SS)	96	* †	Watseka
Hammer, Alfred Erle	Bank		* †	Chicago
Hammer, Carl Shelby	ME	34 $\frac{1}{2}$	* †	Chicago
Hammer, James Elder	Jnl	6	* †	Alpena, South Dakota
Hammer, Thomas Jacob	Bus	71	* †	Mitchell, South Dakota
Hammers, Lois Elane	LAS		* †	Lexington
Hammond, Catharine Elizabeth	LAS	32	* †	Taylorville
Hammond, Dorothy	LAS	10 $\frac{1}{2}$	* †	Taylorville
Hammond, Mary	SS	3		San Francisco, California
Hampson, Herbert	Apr unc	32 $\frac{1}{2}$	* †	DeKalb
Hance, Mrs. Irma Bush Watson	Mus unc			Salt Lake City, Utah
Hance, Paul DeWitt, Jr.	EE	59	†	Elgin
Hance, Wayne	PreM		* †	Newman
Hancock, Agnes Leah	LAS	28	* †	Beecher City
Hancock, Mary Lillian	LAS (SS)	100	* †	Urbana
Hand, Ella Marie	CCS	68	* †	Champaign
Handke, Otto Frank	Eng	68 $\frac{1}{2}$	* †	Forrest Park
Handmacher, Catherine Edith	LAS		* †	Chicago
Handtmann, John Jacob	PreM		* †	Chicago
Handy, Harry Edwin	EE (SS)	113	* †	Marshall
Hanger, Mary Elizabeth	LAS	98	* †	Indianapolis, Indiana
Hank, Leonard Martin	Bus	61	* †	Urbana
Hanlin, Helen Jeanette	LAS		*	Buchanan, Michigan
Hanley, Darrell Irving	SHAEd	92		Muncie
Hanna, Homer Hoyer	LAS		* †	Evanston
Hannaman, Carl Henry	Bus		* †	Shelbyville
Hannon, John Michael	Apr	110 $\frac{3}{4}$	* †	Chicago
Hanselman, June Dorothea	LAS	51	* †	Chicago
Hansen, Edward Richard	PreL		* †	Princeton
Hansen, Grant Oscar	MinE	12	* †	Chicago
Hansen, Ida C	LAS	60	* †	Urbana
Hansen, John Wilbur	Bus (SS)	73	* †	Brookston, Indiana
Hansen, Norman Albert	SS	136		Chicago
Hansen, Robert George	Flor	30		Chicago
Hansen, Virginia Katharine	IA	14	* †	Bloomington
Hansen, William Emil	ME	62	* †	Chicago
Hansler, John Edward	CerE	36	* †	Elgin
Hanson, Albert Herman	LG	144 $\frac{3}{4}$	* †	Kewanee
Hanson, August Hugo	Chem	60 $\frac{1}{2}$	* †	Owatonna, Minnesota
Hanson, Edward Stuntz, Jr.	HELAS	61	* †	Elmhurst
Hanson, Lorene Estella			* †	Faxton

Hanson, Robert Harry	Bus		* † Chicago
Hantman, Harry	Bus		* † Terre Haute, Indiana
Happeney, John Clifford	CE	38	* † River, Massachusetts
Hardacre, Gilbert Kuster	ChE	117	* † Kansas City, Missouri
Hardesty, Josephine Frances	SS	132½	Homer
Hardin, Arthur Lee	Bus unc		* † Chicago
Hardin, Florence Gail	Bus		* † Urbana
Harding, Esther Margaret	LAS		* † Urbana
Harding, Florence Marie	LAS (SS)	75	* † Champaign
Harding, Harry Gordon	Chem	75	* † Urbana
Hardy, Mrs. Helena Beatrice	SS	8	Monmence
Hardy, Julian Herbert	PreL		* † Chicago
Harford, Lyle Fowler	Agr (SS)	108	* † Alton
Hargis, Lloyd Lester	Ed (SS)	68½	Kansas
Hargitt, George Harold	SS	9½	Aurora, Indiana
Hargrave, Edwin Elwood	PreL		* † Bicknell, Indiana
Harker, Martha	LAS		* † Puryear, Tennessee
Harkness, Roy Wendel	ChE	74	* † Yorkville
Harlan, Marshall Oscar	Bus	65	* † Clinton, Indiana
Harland, Lewis Elwood	Bus	6	* † Western Springs
Harlin, Amond McKinley	SS	131½	East St. Louis
Harman, Gabriel Conger	LG	121½	* † Waco, Texas
Harmeling, Henry Charles	SS		Paducah, Kentucky
Harmon, Harold Elliott	LAS		* † Sullivan
Harmon, John Clayton	REE	13	* † Bloomington
Harmon, Reginald Carl	Agr		* † Urbana
Harms, Frank Robert	Accy	70	* † Chicago
Harms, Gunther William	Bus		* † Chicago
Harnet, Charles Emory	Jnl	94	* † Hinsdale
Harnett, Esther Mae	HELAS		* † Windsor
Harnit, Kathryn Anne	Law (SS)		* † Champaign
Harnly, Anna Elizabeth	LAS		* † Chicago
Harnly, Morris Henry	SS	6	Saginaw, Michigan
Harper, Eva Jane	LAS	32	* † Urbana
Harper, Frances King	LAS	61	* † East St. Louis
Harper, Lee L	Bus (SS)	69	* † Urbana
Harper, Robert Dale	AE		* Rock Falls
Harper, Robert Harrell	CL	32	* † Greenwood, Arkansas
Harper, Robert Osborne	Agr	100	* † East St. Louis
Harper, Scott Nathaniel	LAS		* † Evanston
Harper, Wesley Dean	Agr	66	* † Urbana
Harriman, John Walter	ME	110½	* † Chicago
Harrington, Bernard Michael	Jnl	78	* † Chicago
Harrington, Charles Clinton	FC		* † LeRoy
Harrington, Earl James	AC	33	* † Plano
Harrington, Faith Olivia	SS	8	Danville
Harrington, Lowell Raymond	EE	13	* † DeWitt, Iowa
Harris, Alice Jane	LAS	115½	* † Marion
Harris, Carson Harvey	Bus		* † Mt. Carmel
Harris, Don	IA (SS)	67½	* † Benton
Harris, Edwin Luther	SS	131	* † Macomb
Harris, Everette Lee	Bus	100	* † Rantoul
Harris, Fay Morrow	Arch	103½	* † Mounds
Harris, Freeman Curtis	Eng		* † Benton
Harris, John Edgar	SS	165½	Coffeen
Harris, Lucile Margaret	LAS	62	* † Champaign
Harris, Roy Jay	Jnl	32	* † St. Louis, Missouri
Harris, Theodore Ransom	CE		* † Neoga
Harrison, Delaware	Bus		* † Chicago
Harrison, Elbert Irevell	Arch	93	* † Bloomington
Harrison, Elmer James	SS	8½	Collinsville
Harrison, Eugene Rust	Bank	72	* † Davenport, Iowa
Harrison, Fred	Agr	44½	* † Herring
Harrison, Glenn Gerald	Bus	30½	* † Freeport
Harrison, Gordon Buckingham	LAS		* † Muskogee, Oklahoma
Harrop, Russell Robert	EE		* † Chicago
Harry, Lois Cumberland	LAS	26	* † Champaign
Harshbarger, Frieda Irene	SS	135½	Ireedsdale
Harshbarger, Hugh Pressley	AC		* † Atwood
Harshbarger, Leslie	PreM		* † Atwood
Harshbarger, Milo Burks	SS		* † Mt. Pleasant, Iowa
Hart, James William	EE (SS)	84½	* † Salem, South Dakota
Hart, Joseph Alford	Bus	80	* † Maywood
Hart, Joseph Francis	Chem (SS)	111½	* † Clinton
Hart, Mrs. Laura Louise Miller	LAS	72	* † Chicago
Hart, Mary Miller	LAS	106	* † Benton
Hart, Morris Broadway	LAS	152	* † Vienna
Hart, Raymond Dwight	Agr	35	* † Ashton
Hartelius, Floyd Melvin	EE	103	* † Rockford
Harter, Baxter Burris	ME	105	* † Urbana
Harter, Clarence Raymond	Arch	30	* † Wichita, Kansas
Harter, Jesse LaVerne	SS	8	Bloomfield, Iowa
Hartford, Virginia Bireley	SS	4	Champaign
Hartle, Hazel Mae	LAS		* † Urbana
Hartley, Beula Fern	SS	7½	Centraltia

Hartley, Miles C	LAS (SS)	119	* † Toulon
Hartman, Harvey John	Flor		* † Bedford, Indiana
Hartmann, Ernest Christian	CE	72	* † Decatur
Hartshorn, Victor Hughes	SS	10	* † Washington, D. C.
Hartung, Philip Tempel Thomas	Jnl	32	* † Chicago
Hartwell, Troy Kern	Agr	32	* † East St. Louis
Hashimoto, Ryoze Miki	LAS (SS)	74	* † Urbana
Haskins, Fredrick E	PreM	77½	* † Eldorado
Hastings, Catherine Helen	LAS	56	* † Joliet
Hastings, Jess Albert	AC		* † Staunton
Haswell, James McDonald	Law	34	* † Webster Groves, Missouri
Haswell, Richard Ellis	LAS		* † Webster Groves, Missouri
Hatch, Frank Moeller	Accy (SS)	73½	* † Chicago
Hatch, James Edwin, Jr.	ME		* † Peoria
Hatch, Lemoine Scudder, Jr.	ME	74	* † La Grange
Hatcher, James Frank	AE (SS)	23	* † Weston, Ohio
Hathaway, Jephthah Otis	LAS		* † Champaign
Hathaway, Rosalia May	LAS		* † Champaign
Hathorne, Eleanor Marie	LAS	33	* † Waukegan
Hathorne, Wade Sherman	Chem	124	* † Waukegan
Hathorne, Zenas Franklin	Bus (SS)	101½	* † Waukegan
Hatley, Fred James	AC		* † Lynden, Washington
Hauck, Ophelia Margaret	SS	8	* † Joliet
Hauser, Ruben Clemens	LAS	62	* † Stuttgart, Arkansas
Hausmann, Herbert	Bus	42	* † Vandalia
Havard, Mary Pearl	LAS	65	* † Urbana
Hawk, David Emory	SS		* † Marissa
Hawken, Granville Jacobs	AE	48	* † Kirkwood, Missouri
Hawker, Raymond Peter	Ed	83	* † Marshall
Hawkes, Joseph Bulkley	LAS	115½	* † Rosemond
Hawkes, Margaret Eliza	LAS	2¼	* † Rosemond
Hawks, Jean Elizabeth	HELAS	107	* † Chicago
Hawks, John Uline	Bus	98	* † Goshen, Indiana
Hawley, Arthur William	EE		* † Chicago
Hawley, Everett Edwin	Agr		* † Greenville
Haworth, Agnes May	SHHEEd	100	* † St. Joseph
Haworth, Charles Willard	LAS		* † St. Joseph
Haworth, Edith Dorothy	LAS		* † Danville
Haworth, Genevieve Marie	Ed	92	* † Danville
Haworth, Harry Sloan	CE	106½	* † Springfield
Hawthorne, Edward Everett	Jnl	20	* † Granville
Hawthorne, Mary Frances	LAS		* † Urbana
Hawthorne, Rosene Alice	LAS	85	* † Urbana
Hay, Arthur Vincent	Agr (SS)	72½	* † Fowler, Indiana
Hay, Charles Allen	Bus		* † Rockville, Indiana
Hay, John Ira	LAS		* † Fowler, Indiana
Hay, Porter Wand	ME	108	* † Urbana
Hay, Rollin Olin	Accy	32	* † Fowler, Indiana
Hay, Sarah Frances	HELAS	61½	* † Danville
Hayden, Lyle Johnson	Agr	31	* † Pittsfield
Hayden, Thomas Clay	AC	22	* † Lowell, Indiana
Hayes, Bluford Farris, Jr.	EE	35	* † Paris
Hayes, Dulcie	LAS (SS)	97½	* † Ogden
Hayes, Frank Louis	SS		* † Marietta, Ohio
Hayes, Harmon Phillips	LAS	66	* † Urbana
Haygreen, Glen Allen	Bus		* † Burlington
Haynes, George Lester	Accy	33	* † Moline
Hays, Ethel Marguerite	LAS	104	* † Marissa
Hays, Genevieve Elizabeth	LAS	101½	* † Marion, Indiana
Hays, Tom George	PreM	27	* † Marissa
Hays, Viola Ruth	SS	8	* † Mt. Vernon
Hayward, Harold Nathaniel	EE	73	* † Elgin
Hayward, Helen Mae	Bus	40	* † Elgin
Hayward, Landes Hamilton	ME	69½	* † Pekin
Hayward, Robert William	Agr	104	* † Fairfield
Hazelip, Earle	LAS unc		* † Enfield
Hazelriggs, William Elmer	Jnl	95½	* † Terre Haute, Indiana
Hazlehurst, Jack Harris	EE	77	* † Hubbard Woods
Heath, Mildred Dorothy	HELAS	100½	* † Odell
Heath, Walter Arthur	LAS	100½	* † Elgin
Heaton, Horace Edward	Eng	72	* † Anderson, Indiana
Hebert, Mary Cecilia	SS	11½	* † Assumption
Hecht, Adrienne	LAS	15	* † Chicago
Heckaman, Loren Link	Bus	61	* † Bremen, Indiana
Heckel, Ervin John	Agr	99	* † Chicago
Heddins, Helen	HEAgr	27	* † Urbana
Hedgcock, Dwight Lynn	ChE	85	* † Augusta
Hedgcock, Robert Moody	Agr	74½	* † Plymouth
Hedges, Bertram Atkinson, A.B., 1916	Ed irr		* † Queen City, Missouri
Hedges, L Abbott	SS	5	* † Chicago
Hedges, Mildred	SS	5½	* † Queen City, Missouri
Hedrich, Roland Louis	ME	108	* † Chicago
Hedrick, Charlotte June	LAS	27	* † Chicago
Hedrick, Leonard Cecil	Arch unc		* † West Salem
Heffernan, Helen Gertrude	LAS (SS)	43	* † Champaign

Heffernan, James Francis	Bus	22½	†	Champaign
Heffron, Rodenick	PreM	32	* †	Chicago
Hefter, Harold Maurice	Bus		*	Chicago
Hegert, Geraldine Daette	Ed	101	* †	Amboy
Heidemann, Ella Henrietta	LAS	66	*	Hinsdale
Heidemann, Leah Miriam	LAS	32	* †	Hinsdale
Heider, Raymond Louis	PreL	68½	* †	Moline
Heil, Henry	Bus	64½	* †	Decatur
Heil, Joseph Frank	Eng	28	* †	Chicago
Heilbuon, Kenneth Joseph	Jnl		* †	Chicago
Heiligenstein, Christian Adam	Bank	41	* †	Freeburg
Heimlicher, Margaret Sara	LAS		* †	Champaign
Heineman, Arnold Hopkins	ME		* †	Chicago
Heineman, Henry Edward Orville	ChE (SS)	104	* †	Chicago
Heinle, Edith Floreine	LAS	60	* †	Maroa
Heinle, Harold Samuel	AC	19	*	Argenta
Heinzeman, Carina Petronilla	HEAgr	47	* †	Matamora
Heise, William Casey	LAS		*	Joliet
Heissig, Ida	PreM		* †	Chicago
Heitmeyer, Powis Lee	PreM	99½	* †	Portland, Oregon
Helfenstein, Bertha Magdaline	Ed	60	* †	Pekin
Helfrick, Murray Denzel	ChE		* †	Chicago Heights
Heller, Clarence Max	Accy	61	* †	Champaign
Hellstrom, Norton Evans	AC	97	* †	Evanston
Helmig, Carl William	PreL	20	*	Peru
Helmig, Alverdah Dorothea	LAS		* †	Lake Bluff
Helmrich, Ernst Christian	LAS	73	* †	Crescent City
Helms, Kenneth Cleo	Arch		* †	Wichita, Kansas
Helsing, Einar Axel	Bus	30½	* †	Chicago
Helsing, Herbert Roy	ME		* †	Chicago
Helvie, Marian Cole	Ed	64	* †	Champaign
Hemb, Donald Mills	Bus	99	* †	Wilmette
Hembree, George Nelson	SS	6½	*	Barbourville, Kentucky
Hemingway, Wanda Marie	Bus	29	* †	Arcola
Hemphill, Hazel Mae	LAS		* †	Center Point, Iowa
Hemphill, John Scott	MinE	46	* †	Benton
Hemwall, John Edwin	FC	30	* †	Chicago
Henderson, Clara Belle	LAS		* †	Elgin
Henderson, Clarence Henry	Agr	28	* †	Chicago
Henderson, Donald Cedric	Agr	71	* †	Leland
Henderson, Genevieve Elizabeth	LAS		* †	Chicago
Henderson, George Warren	Bus	62	* †	Mattoon
Henderson, Karl Isaac	SS		*	Lodi, Ohio
Henderson, Lawrence Jewell	Bus	75	* †	Decatur
Henderson, Russell Dewey	Arch (SS)	109	* †	Humrick
Henderson, Theodore	AC	34	*	Ridgefarm
Henderson, William Trimble	AE	29½	* †	Champaign
Hendricks, Floyd William	SS	69½	*	Barry
Henkel, Erwin Robert	AC		* †	Madison, Wisconsin
Henley, Frances Irene	Bus		* †	Etna
Henneberry, Mary Theresa	LAS	64½	†	Lincoln
Hennegan, George Francis	SS	8	*	Omaha, Nebraska
Hennes, Charles Floyd	ME	35	* †	Champaign
Henning, John Louis	Accy		* †	Hampshire
Henning, Lester Anton	Bus	86	* †	Chicago
Henninger, Fred A, Jr.	Arch	123½	* †	Omaha, Nebraska
Henninger, George Copeland	ChE	107½	* †	Chicago
Henry, Arden Forrest	EPh	35	* †	Rockford
Henry, Bernard Edwards	IA (SS)	116	* †	Villa Grove
Henry, Bernice Fern	LAS	96	* †	LaPorte, Indiana
Henry, Mabel Frances, A.B., 1921	SS	141½	*	Urbana
Henry, Nina Rose	LAS	60	* †	Bloomington
Henry, Oren Osborne	Bus	14½	* †	Canton
Henry, Ruth Charlotte	LAS	33	* †	LaPorte, Indiana
Henry, Vernon Wilmot	Accy	101½	* †	Tulsa, Oklahoma
Hensel, William Monroe	LAS	37½	*	Chicago
Henshel, Walter Marcus	Bus	30	* †	Chicago
Hensler, Earle David	Bank	31	* †	Earlville
Hensley, Olive May	Mus unc (SS)	49½	* †	Champaign
Henson, John Robert	Bus	46½	* †	Villa Grove
Heob, Elroy W	SS	7½	*	St. Louis, Missouri
Hepler, Arthur Lorin	ChE		* †	Streator
Heppes, Julian Otto	Bus	5	* †	La Grange
Herb, Clarence Church	Bank	66½	* †	Emington
Herbert, Harold Henry	CE	108½	* †	Elmwood
Herche, Arlyn George	Bank	101	* †	Rushville
Herman, Frank Andrew	Bus	100	* †	Mounds
Herndon, Francis Elliott	EE		* †	Urbana
Herne, John Chesterfield	Eng		* †	Glen Ellyn
Herold, Verna Rose	SS	15	* †	Grand Rapids, Michigan
Heron, Laurence Tunstall	Jnl	70	* †	East St. Louis
Herr, B R	Eng	71½	* †	Erie
Herrick, Helen Harriet	LAS	27	* †	Farmer City
Herrick, Mildred Katherine	LAS	99	* †	Farmer City
Herrick, Norman Gaines	AC	42½	* †	Waterman

Herrin, Blanche Grace	LG	32	* † Glendora, California
Herrin, Snyder E	PreL	16	* † Herrin
Herrod, Mildred Leone	LAS	69	* † Warrensburg
Herrold, Maurice Frank	Bus	78½	* † Columbia City, Indiana
Herron, Horace Southworth	Bus	23	* † Gilman
Hershman, John Ellsworth	Jnl		* † Brook, Indiana
Herting, Herold Edward	CE	69	* † Chicago
Herzog, Ralph Benjamin	LAS	105	* † Chicago
Heshin, Herman George	AE	27	* † Chicago
Hesler, Evelyn Juanita	LAS	23	* † Hillsboro, Indiana
Heslip, Hannah Elizabeth	HEAgr (SS)	31	* † Danville
Helsip, Malcolm Farnsworth	Bus (SS)	102	* † Danville
Hesser, George Batchelder	Accy	133	* † Urbana
Hesser, Mary	Bus (SS)	63	* † Urbana
Hessler, Mae Catherine	LAS (SS)	72½	* † Urbana
Hester, Luther Garner	Agr		* † Yorkville
Hetherington, Mary Ann	LAS		* † Harrisburg
Hetherlin, Ralph Thorniley	AE		* † Louisiana, Missouri
Hettel, Earl Francis	CE		* † Ottawa
Hettick, Roy Smith	Agr		* † Athensville
Heusinkveld, Charles Theodore	LAS		* † Fulton
Heusner, Alfred S	Ed	33	* † Salina, Kansas
Hewes, George Cavender	AE (SS)	98	* † Barbourville, Kentucky
Hewitt, Harvey Carl	SHAAgr	102	* † Georgetown
Hexter, Edward George	SS	32½	* † Urbana
Heywood, Mabel Foster	SS	6	* † Lockport
Hiatt, Howard Harrison	Bus		* † Indianapolis, Indiana
Hibbard, Ellen Marie	HELAS	60	* † Wichita, Kansas
Hibbard, Fred Wheelock	Eng (SS)	31	* † Chicago
Hickey, Albert Neil	Jnl		* † Council Grove, Kansas
Hickman, Allen Ray	CE	117	* † Danville
Hickman, Feryl Frances, A.B., 1920	SS	146	* † Urbana
Hickman, Wayne	EE	28	* † Fairmount
Hickman, William Raymond	SS	8½	* † Los Angeles, California
Hicks, Byron Wallace†	Bus		* † Iron Mountain, Michigan
Hicks, Chester Winslow	ME	71	* † Washington, D. C.
Hicks, George Mayhew	SS	84½	* † Glencoe
Hicks, Josephine	LAS		* † Glencoe
Hidy, Mrs. Leora Mabel	SS	23½	* † Charleston
Hielscher, Martha Concordia	Ed	101	* † Minonk
Hier, Ethel Lucile	LAS	74	* † Quincy
Higdon, Harold Carey	IA	110½	* † Kansas City, Missouri
Higginbotham, Frank	AC		* † West Terre Haute, Indiana
Higgins, Frances Mary	LAS	64	* † Niagara Falls, New York
Higgins, Frances Ruth	LAS	31	* † Champaign
Higgins, Kathryn Antoinette	HEAgr	27	* † Neponset
Higgins, Mary Clarissa	SS	14½	* † Springfield
Higgins, Monroe Richard	Agr		* † Chicago
Higgs, Arthur Garfield	Law	58	* † Harvey
Higham, Ella May	Ed	98	* † St. Louis, Missouri
Highfield, Imogene	HELAS	96½	* † Farmer City
Higley, Bess Mindwell, Ph.B., 1910	Lib		* † Grandview, Iowa
Higshew, William Scott	Ed	70	* † Shreveport, Louisiana
Hikes, Esther Ann	LAS (SS)	118	* † Chicago
Hildebrand, Harold Lee	EE	36	* † Onarga
Hildebrandt, Lois Fredrica	LAS	43	* † Logansport, Indiana
Hiles, Robert Eugene	CE	26	* † Little Rock, Arkansas
Hilgard, Ernest Ropiequet	ChE	68	* † Belleville
Hilgard, Georgia	LAS	112	* † Belleville
Hill, Arthur James	AC	34	* † Rochester, New York
Hill, Aubrey Deloss	ChE (SS)	83½	* † Little Rock, Arkansas
Hill, Dick Bunker	IA	31	* † Oak Park
Hill, Dorothy Irene	LAS		* † Managua, Nicaragua
Hill, George Marshall	ChE		* † Little Rock, Arkansas
Hill, Grace Imogene	HELAS		* † Chicago
Hill, Grace Narcissus	SS	2	* † Salem
Hill, Harold Herrin	PreM		* † Athens
Hill, Howard Herbert	Bus		* † Springfield
Hill, Howard Karl	LAS (SS)	17½	* † Freeport
Hill, John Pierce	Bus		* † Champaign
Hill, Lewis Rowland	SS	5	* † Carthage
Hill, Maurice List	Accy	29	* † Chicago
Hill, Nigel Pauline	LAS	27	* † Abingdon
Hill, Roy Geibe	Law	60	* † Mt. Vernon
Hill, Sam Houston	AC	109	* † Champaign
Hill, Thomas Martin	ME (SS)	92	* † Quincy
Hillemeier, Alfred Koesmer	EE	64	* † Champaign
Hillman, LaVonne Mary	LAS		* † Rosemond
Hills, Mrs. Ethyl Hutchinson	SS		* † Champaign
Hills, Seth Harlow	Agr	36	* † Rockford
Hiltabrand, Wray Franklin	Agr	36	* † Tonic
Himes, Verna Beatrice	SS	72½	* † Tower Hill
Himmele, Irvin Henry	LAS	36	* † Buffalo, New York
Himrod, Tracy Woodward	Bus	116½	* † Waterford, Pennsylvania
Hineke, William Berrard	ChE	112	* † Pinckneyville

Hindle, John Russell	Agr (SS)	130½	*	Peoria
Hines, Rella Mae	HELAS		* †	Champaign
Hinman, Mae	LAS		* †	Rankin
Hinners, Robert Arthur	LAS		* †	Pekin
Hinote, Russell Charles	AC	53	* †	Urbana
Hinton, Kenneth Arden	CE		* †	Greenville
Hintzpete, Edward Charles	LAS	25½	* †	Kenilworth
Hiraki, Yoshiro	SS	12		Kanayawa, Japan
Hirsch, Donald Anton	Eng	35	* †	Chicago
Hirsch, Joseph	Eng	29½	* †	Chicago
Hirsch, Louis Henry	EE	71	* †	Cape Girardeau, Missouri
Hirschberg, Sam	IA		* †	Chicago
Hirschfeld, John Charles	Law		* †	Champaign
Hirschfeld, Julius James	CE		* †	Champaign
Hirtzel, Clara Lillie, A.B., 1915	SS	132		Effingham
Hiser, Nova Ovalla	LAS	102	* †	Cerro Gordo
Hiss, Bernice Cora	HEAgr		* †	Chicago
Hitch, Alice Elizabeth	SS	3½		Harrisburg
Hitch, Lillian Adeline	LAS	33	* †	Champaign
Hitchcock, Charles Lyle	PreL		*	Pana
Hitt, Willis Henry	Bus (SS)	68½	* †	Chicago
Hitz, Luin Kingman	ME		* †	Chicago
Ho, Shih Feng	LAS (SS)	25	* †	Shanghai, China
Hoadley, Lyman Mortimer	CE	101	* †	Tarpon Springs, Florida
Hoag, John Streeter	EE		* †	Cairo
Hoagland, Max Green	Agr		* †	Shelbyville
Hoak, Harold Alexander	Agr		* †	Sterling
Hobart, Mrs Faith Becket	HELAS	62		Urbana
Hobbis, John Bert	MSE	58	*	Fargo, North Dakota
Hobbs, Bertha Elizabeth	LAS	102	* †	West Branch, Iowa
Hobbs, Edward Stanley	LAS		* †	Aurora
Hobbs, Hazel Elizabeth	LAS		* †	Monroeville, Indiana
Hobbs, Wesley Stratton	ME	71	* †	Chicago
Hobson, Frank Amos	Agr	100½	* †	Vincennes, Indiana
Hochstrasser, Maude Adelaide	SS	91½		Urbana
Hock, Florence Genevieve	LAS	32	* †	Oak Park
Hock, Marie Blanch	LAS	33	* †	Oak Park
Hocking, Albert William	Bus	35	* †	Chicago
Hockman, Dwight Lawrence	EE (SS)	64	* †	Xenia
Hodam, Florence Elizabeth	LAS (SS)	79	* †	Ludlow
Hodde, Harry Lloyd	Bus	100	* †	Springfield
Hodges, Ella, B.S., 1914	Lib		* †	LaFayette, Indiana
Hodgin, Robert Chatfield	Flor	99	* †	Richmond, Indiana
Hodgman, Dorothy	HELAS		* †	Chicago
Hodson, Glendon Conley	Law	25	* †	Centralia
Hoefer, Herbert	AE	107	* †	Davenport, Iowa
Hoefflin, Mary Margaret	LAS	59	* †	Oak Park
Hoerber, Fred William	Bus		* †	Chicago
Hoesel, Everet Bruce	Bus		* †	Leiters Ford, Indiana
Hofer, Louis Lawrence Berthier	ChE	31	* †	Victoria, Texas
Hoff, Richard Ray	Bus		* †	Lombard
Hoff, Robert Benjamin	Bus	29	* †	Pekin
Hoffman, Ernest Philip	Bus		* †	Pekin
Hoffman, John Nelson	AC		* †	Milton, Pennsylvania
Hoffmann, Frances Bernice	LAS	99	* †	Chicago
Hoffmann, Robert Charles	CE		* †	Chicago
Hofsommer, Gretchen Georgiana	LAS		* †	Breeze
Hoge, Robert Henderson	EE	54	* †	Huntington, West Virginia
Hogg, Guy William	SS	8		Vienna
Hogle, Eulita Dorothy	HEAgr	53	* †	Evanston
Hoinville, John Recer	Agr	104½	* †	Chicago
Hokemeyer, Alice Marie	HELAS		* †	Palatine
Hokenson, Carl	ChE	88	* †	Canton
Holden, Fred Samuel	Bus	48½	* †	Pittsburg, Kansas
Holder, George Espey	LAS		* †	Bloomington
Holderman, Samuel James	Law		* †	Morris
deHoll, Henry Theodore	PreM		* †	Indiana Harbor, Indiana
Holladay, James	SS	35½		Columbia, Kentucky
Holladay, Lois Porter, A.B., 1915	Lib	16	†	Urbana
Holland, Knight Otha	SS	24		Omaha
Holland, Mabel Ruth	LAS	65	* †	Omaha
Hollem, Amy Irene	Mus	106	* †	Rockford
Hollis, Barbara Herndon	LAS	63	* †	Little Rock, Arkansas
Hollis, Roscoe Raymond	SS	8		New Douglas
Hollister, Bertram Keats, Jr.	LAS unc	8	* †	Chicago
Hollopeter, Cecil Forrest	AC	37	* †	Spencerville, Indiana
Holloway, Lester Eugene	LAS		* †	Pontiac
Hollowell, John Delos, Jr.	Bus	108	* †	Chicago
Holmberg, Harvey Worth	Bus		* †	La Grange
Holmes, A Wilwood	AC (SS)	100%	* †	Chicago
Holmes, Claude Ernest	SS	130½		Lindenwood
Holmes, Herman Edward	AE	32	* †	Oklahoma City, Oklahoma
Holmes, John Kenneth	ME	109	* †	Danville
Holmes, Wendel Francis	PreM	30	* †	Stewardson
Holmgren, Irving Joel	IA (SS)	106½	* †	Evanston

Holsapple, Coen Edward	Ed (SS)	115	*	Toledo
Holscher, Benjamin F	SS		*	Linton, Indiana
Holst, William Henry	LAS	106	*†	Granite City
Holston, James Benjamin	EE	111	*†	Nashville
Holston, Lawrence Leland	LAS	33	*†	Nashville
Holt, Elbert Donald	ChE	27	*†	Urbana
Holt, George	Agr		*†	Greenup
Holt, Jonathan Robert	Bus	32	*†	Urbana
Holt, Mary Eleanor	HELAS		*†	Greenup
Holt, Orval C	Agr	38 $\frac{3}{4}$	*†	Milford
Holter, Webb Forrest	LAS	103 $\frac{1}{4}$	*†	Connersville, Indiana
Holtermann, Veta Merle	HELAS (SS)	63 $\frac{1}{2}$	*†	Sadorus
Holton, Ellen Margaret	HELAS		*†	Bloomington
Holtz, Alvin	Bus (SS)	94	*†	Evansville, Indiana
Holz, Marie Alice	SS	61		Buckley
Holzberger, Glen John	CE	38		Hamilton, Ohio
Holzgraefe, Elmer John Carl	IA	68	*†	Quincy
Hon, Howard Leon	Accy	67	*†	Grayville
Honn, Robert Arthur	SS	10 $\frac{1}{4}$		Arcola
Honn, Ruth	LAS	62	*†	Champaign
Hoo, Ang Kai	SS	9		Hunan, China
Hood, Edward Earl	SS	13		Arcola
Hood, Helen Brown	LAS	18	*†	Sparta
Hood, Phyllis Elinor	LAS	60	*†	Sparta
Hookham, Robert Ernest	CE	65	*†	Chicago
Hooper, Harold Leslie	Accy	30	*†	Nekoosa, Wisconsin
Hoopes, Charles Oliver	LG	96 $\frac{1}{2}$	*†	Chagrin Falls, Ohio
Hoopes, O Louise	SS	8		Springfield
Hoover, Glenn Franklin	Agr	99	*†	Morrison
Hoover, Ross Elijah	Agr unc (SS)	11 $\frac{1}{2}$	*	Milton
Hopewell, Catherine	SS	6 $\frac{3}{4}$		Paducah, Kentucky
Hopkins, Edwin Larney	Bus		*†	Princeton
Hopkins, Harvey Childs	ChE	62 $\frac{1}{2}$	*†	Urbana
Hopkins, Mary A. A.B., 1922	Jnl irr		*†	Urbana
Hopkins, Roger Edwards	Bus		*†	Niles, Michigan
Hopp, Franklin Charles	Bus		*	Union
Hopping, Edward Wilbur	Bus		*†	Glen Ellyn
Hopping, Louis M	Law	26	*†	Springfield
Hopwood, Frank Hubert	FOM	35	*†	Athens
Horan, Charles Raymond	CE	101 $\frac{3}{4}$	*†	Antioch
Hordyk, Emily Marie	HELAS	35	*†	Burlington
Hormel, Mary Ruth	Mus		*†	Rantoul
Horn, Alfred Oswald	AC unc (SS)	19 $\frac{1}{2}$	*†	Withee, Wisconsin
Horn, Harry Louis Martin	Arch	31	*†	Davenport, Iowa
Horn, Margaret Murray	LG		*†	Logansport, Indiana
Horn, Oswald Clarence	Bus		*†	Champaign
Horn, Reinhold William	Bus	97	*†	Chicago Heights
Horn, Vernon Robert	ChE		*†	Chicago Heights
Horner, Ruth Hermione	Jnl	103	*†	Champaign
Horning, Adele	SS	7		Navoo
Horning, Helen Irene	LAS		*†	Urbana
Horning, Otha Inez	SS	132		Urbana
Hornish, Mars Milton	Agr		*†	Washington
Hornor, James David	Agr	96	*†	Bismarck
Horr, Mildred	LAS		*†	Farmer City
Horr, Oren Glenn	Agr	106	*†	Farmer City
Horrell, Albert Josephson	Bus (SS)	116	*†	Chicago
Horrow, Rodin Samuel	Accy	32	*†	Chicago
Horst, Lester Richard	Bus	98	*†	Rock Island
Horton, Frank Graeff	IA	110 $\frac{3}{4}$	*†	Chicago
Horton, Norman LeRoy	Eng		*†	Chicago
Horwitz, Jerome Julien	LAS		*†	Chicago
Hosford, Clarence	EE		*†	Waxahachie, Texas
Hosken, Bernice Colton	LAS	65 $\frac{1}{4}$	*†	Wilmette
Hoskin, Margaret Jane	LAS		*†	Urbana
Hoskins, Florence	HELAS	102	*†	LaGrange
Hoskins, Robert Noble	AC		*†	Bethany
Hostettler, Burnis Herman	Accy		*†	Olney
Hotchkiss, Raymond Gale	EE	54	*†	DeKalb
Hotelling, Ralph Addison	LAS	73 $\frac{1}{2}$	*†	Rockford
Hottinger, Helen June	Jnl	104	*†	Muncie, Indiana
Hotz, Albert Henry	PreM		*†	Marissa
Hotz, Carl Julius Henry	PreM	68	*	Marissa
Houck, Cecil Marcellus	AC		*	Aberdeen, South Dakota
Houck, Dorothy Dudley	LAS (SS)	85	*†	Dixon, Missouri
Hougen, Elmer Cliff	Arch	25 $\frac{1}{2}$	*†	LaCrosse, Wisconsin
Hough, Ernest Ray	Agr	44	*†	Champaign
Hough, Paul Simpson	Bank		*	Princeville
Hough, Paul Vitt	Bus		*†	Sedalia, Missouri
Hougham, Ethel Beatrice	Mus	94	*†	Bellflower
Houghton, Arthur Vincent	SS	67 $\frac{1}{4}$		Patterson
Houghton, William Guy	SS	61 $\frac{1}{2}$		Patterson
House, Byron Orvil	PreL	34	*†	Nashville
House, Leona Pearl, A.B., 1898	Mus irr (SS)		*†	Champaign
Housh, Charles Nelson	Agr	33	*†	East St. Louis

Houston, Waverly Isabelle	LAS	99	* † Vandalia
Howarth, Ralph Edison	PreL	36	† Bryant
Houx, Allen Mering	Agr		* † Santa Barbara, California
Howard, Albert Marshall	PreL	73	* † Chicago
Howard, Clifford Walter	LAS	66	* † Jamestown, New York
Howard, Daniel Orson	Bus (SS)	146	* † Champaign
Howard, Frank Swan, Jr.	Eng	73	* † Aurora
Howard, Homer Presley	LG	19	* † Corington, Indiana
Howard, Mabelle Lorraine	SS	155	* † LeRoy
Howard, Merle Auvern	LAS	40½	* † Urbana
Howard, Phil Joseph	CE	37	* † Elgin
Howe, Dorothy Esther	LG	96½	* † Urbana
Howe, Frederick King	CE	111	* † Downers Grove
Howe, Harriet	LAS	74½	* † Urbana
Howe, Jerome Kemp	LAS		* † Wenona
Howe, John Edward	Bus (SS)	36½	* † Kankakee
Howe, Robert Francis	Lav		* † Chicago
Howe, Roscoe Leland	Agr	98	* † Mansfield
Howell, Oliver Willis	Bus (SS)	102	* † Arthur
Hower, Maxwell Martin	Bus	23½	* † Muskegon, Michigan
Howey, Carlyle Edward	Bus		* † Beardstown
Howland, Walter William	CL	32	* † Chicago
Howorth, Edmund Briggs	Law	25	* † Chester
Hoyt, Lucius Warner	PreM unc		* † Champaign
Hsieh, Surgeon	MinE (SS)	33	* † Champaign
Hsu, Dung Bie	ChE (SS)	98	* † Shanghai, China
Hsu, Jen Chieh	RA	23	* † Peking, China
Hsu, Tsee Liang	RA (SS)	76	* † Changchow, China
Hsu, Wellington Shang, B.S., 1922	SS	138	* † Shanghai, China
Hu, Kuang Cheng	ChE	50	* † Tientsin, China
Hu, Tsun Chan	FC (SS)	66	* † Monkden, China
Hubbard, Carl Clifford	SS	6	* † Hamilton, Canada
Hubbard, George Kenneth	ME		* † Kings
Hubbard, Karl Hammond	EPH	108	* † Quincy
Hubbard, Vera	Mus		* † Quincy
Hubbart, Ruth Frances	HELAS	99	* † Urbana
Hubbell, Dorothy Vernon	Jnl		* † Chicago
Huber, Albert Joseph	Agr		* † Reno
Hubler, John Corneions	Agr	27	* † Chicago
Huck, James Michael	Jnl		* † Chicago
Huck, Ralph Francis	PreL	35	* † Quincy
Hucker, Alice Elizabeth	LAS		* † Lake Villa
Hucker, Anita Maye	Jnl	14	* † Antioch
Huckins, George	MinE	23	* † Kankakee
Huddlestun, Thelma Bernice	LAS (SS)		* † Urbana
Hudelson, Jane Elizabeth	LAS	32	* † Chicago
Hudson, Charlie Britton	SS		* † Bryan, Texas
Hudson, Ellen Edward	SS	7½	* † Loraine
Hudson, Elven Charlton	LAS	34	* † Logansport, Indiana
Hudson, Georgiana Hall	LAS	86	* † Logansport, Indiana
Hudson, Grace Marie	HEAgr (SS)	68	* † Urbana
Hudson, James Edward	MSE (SS)	37	* † Galva
Huegy, Harvey Wilborn	Bus	39	* † Highland
Huffer, Clem Charles	Bus		* † Urbana
Huffer, Enos George	Agr	118	* † Urbana
Huffman, Bernice Marie	Ed unc		* † Carbondale
Huffman, Leland	Bus		* † Terre Haute, Indiana
Hug, Gladys Louise	LAS	60	* † Highland
Huggans, Edith Reeder	LAS	32	* † Streator
Huggans, Margaret Lois	LAS	31	* † Streator
Hugh, John Hermann	Vsp (SS)	64	* † Peoria
Hughes, Betty Vorhis	LAS		* † Oklahoma City, Oklahoma
Hughes, Harold Fred	CL	33	* † Stroud, Oklahoma
Hughes, Helen Howard	LAS	31	* † Dowagiac, Michigan
Hughes, John	SS	8½	* † Chicago
Hughes, Merlin Wells	LAS	37	* † Crystal Lake
Hughes, Morris Nelson	SS	133½	* † Champaign
Hughes, Nellie Donelan	LAS		* † Springfield
Hughes, Seth Morrison	Bus	32	* † Tulsa, Oklahoma
Hughes, Sherman	PreL	49½	* † Champaign
Hughes, Thomas Haywood	LAS		* † Washington, D.C.
Hugle, Beverly Sawyer	Bus	33	* † Oak Park
Huie, Mrs. Robert W	SS		* † Arkadelphia, Arkansas
Hulce, Leola Belle	LAS		* † Gilman
Hulick, Claude Otis	PreM (SS)	40½	* † East St. Louis
Hull, Donald Winston	ME		* † Clinton
Hull, Dorothy Elizabeth	LAS	66½	* † Urbana
Hull, James Montgomery	Agr	76	* † Urbana
Hull, Mabel Ruth	HELAS	65	* † Urbana
Hull, Ted Gordon	LAS	35	* † Clinton
Hull, Thomas Kendrick	ME		* † Wheaton
Hull, Victor Hugo	Jnl	35	* † Chicago
Hultgren, Stanley Edgar	Chem	61	* † Galesburg
Humer, Elizabeth Linn	HEAgr	2	* † Springfield
Humphrey, Arthur Cole	Bus	125½	* † St. Louis, Missouri

Humphrey, Evelyn Myrtle	Bus	64	* † Wilmette
Humphrey, George Clifford	SS	8	* † Avon
Humphrey, John Patrick Shine	Law		* † Chicago
Humphrey, Mary Louise	LAS	50	* † St. Louis, Missouri
Humrichouse, Gladys	LAS	113½	* † St. Joseph
Hunn, Clifford Esdohr	Bus		* † Chicago
Hunnemann, Arthur Paul, Jr.	PreM		* † Chicago
Hunolt, Domitilla	LAS (SS)	76	* † Edina, Missouri
Hunsche, Miriam	Mus (SS)	36	* † Chicago
Hunsley, Lorne Edison	Agr	30	* † Edinburg
Hunt, Edith Irene	HELAS	65	* † Marshall
Hunt, Esther Lillian	LAS		* † Chicago
Hunt, Florence Ann	HELAS (SS)	42	* † Oregon
Hunt, Genevieve	LAS	102½	* † Moline
Hunt, Horace Wright	Bus unc		* † DeKalb
Hunt, Howard Leroy	Agr	26½	* † Sparland
Hunt, Lansing DeForest	ChE	54	* † DeKalb
Hunt, Morrison Cecil Stephen	RCE		* † Champaign
Hunt, Nellie Francis	LAS	99	* † Marshall
Hunt, Robert Fleetwood	Bus		* † Springfield
Hunt, Stanley Browne	EE	38	* † DeKalb
Hunt, Victor Clifford	Bus		* † Champaign
Hunt, Wiley Emery	Bus (SS)	114	* † Gibson City
Hunt, William Clare	FC	96	* † Wheaton
Hunt, William Louis	CE unc		* † Sardis, Mississippi
Hunter, George William	Accy	58	* † Fairfield
Hunter, Harold Leslie	IA	94½	* † Pesotum
Hunter, Robert Capron	Bus	2	* † Freeport
Huntington, Amo Ruth Cass	LAS		* † Canton
Huntington, Bertha May	Accy (SS)	63	* † Urbana
Huntington, Mary Louise	LAS	65	* † Ladoga, Indiana
Huntington, Myra Belle	HELAS	30	* † Chicago
Huntley, Cecil Russell	Eng	25	* † Pontiac
Huntoon, Gail Marjory	LAS	100	* † Rock Island
Huntoon, Jean Inez	LAS	31	* † Rock Island
Huntzbrichler, Marie Rose	LAS		* † Belfort, France
Hupp, Arthur Alfred	AC		* † Mokense
Hurd, Burton Cannon	Law		* † El Paso
Hurley, Timothy Donald, Jr.	Flor	60	* † Chicago
Huron, Catherine Arline	Bus		* † Mattoon
Hurst, Kenneth Wilmer	Bus		* † LaSalle
Hurwitz, Aaron	LAS (SS)	72	* † Wilno, Poland
Hurwitz, Theodore Herzl	ChE		* † Chicago
Huse, Esther	SS	132	* † Chicago
Husted, Granger	Bus	95	* † Zion City
Huston, Charles Barclay	Agr	34	* † Roseville
Huston, Roger King	Bus		* † Chicago
Hutchens, Lucius Lester	PreM (SS)	36½	* † White Hall
Hutchins, Frank Hilliard	LAS	74	* † Urbana
Hutchins, Frederick Clinton	CE		* † Rockford
Hutchinson, Donald Warner	IA (SS)	32	* † Chicago
Hutchinson, Lowell	Bus	83	* † Arlington, Indiana
Hutchinson, James Strother	ChE		* † Shreveport, Louisiana
Hutson, Daphne Pearl	LAS		* † Urbana
Hutson, Noble Eugene	Law		* † Urbana
Hutson, Pearl Rea	LAS unc	21	* † Urbana
Hutton, Charles Gerald	SS	8	* † Poteau, Oklahoma
Huxham, Harold Hanniford	AC	49½	* † River Forest
Hyde, Arthur Dwight	MinE	32	* † Joliet
Hyde, Arthur Sidney	LAS		* † Urbana
Hyde, George Chester	MSE	37½	* † Watertown, New York
Hyer, Richard Valentine	LAS		* † Jacksonville
Hyland, Jack Joseph	Bus		* † Alton
Hynds, Thomas Joseph	EE		* † Morris
Hynes, Stanley Richard	Agr		* † Muskogee, Oklahoma
Hyrup, Lucile	HELAS	58	* † Odell
Iben, Richard Jr.	AE	137	* † Peoria
Icenogle, Carus Stanley	Law	59	* † Mattoon
Iftner, George Henry	SS	149	* † Pittsfield
Illyes, David Frank	PreM		* † Palestine
Illyes, Frances Mary	HE Agr	45½	* † Palestine
Imlay, Robert John	LG	101½	* † Zanesville, Ohio
Ingles, Harold Dawson	SS	8½	* † Cynthia, Kentucky
Ingram, William Coy	Law		* † Kimmund
Ingram, Robert Paul	IA	83½	* † Chicago
Inman, James Edward	CE	35	* † Chicago
Innis, Charles Albert	LAS unc	67	* † Bellflower
Ireland, Clarence Edward	EE		* † Sullivan
Ireland, Invaline	LAS (SS)	29	* † Vandalia
Irish, Harold Robinson	Bus		* † Lincoln
Irvine, Edward Thomas	FC	66	* † Zion City
Irvine, Grace Bryant	Lid unc		* † Woodford, Tennessee
Irvine, Walter Cooper	CE		* † Memphis, Tennessee
Irwin, Howard Emsley	Arch	133½	* † Quincy
Irwin, Melvin George	EE		* † Chicago

Isaacs, Edward Martin	Agr	35	* † Chicago
Isch, Walton Bourroughs	Bus	13	* † Peoria
Isenbarger, Robert Oris	Arch	32	* † Chicago
Israel, Kathryn	CT	67	* † Shelbyville, Indiana
Ithner, Francis Wilbur	Bus		* † Highland
Ives, Joseph Thomas	LAS	32	* † Delphi, Indiana
Ivey, Marie Jennie	LAS	60	* † Mt. Carrol
Izzard, Arthur John, Jr.	LG	29½	* † Englewood, Missouri
Izzard, Wesley Sherman	Jnl	101½	* † Englewood, Missouri
Jack, William Ralston	Agr (SS)	100½	* † Springfield
Jackel, Herbert Arthur	ME	50½	* † Milwaukee, Wisconsin
Jackson, Andrew Stokes	SS	139½	* † Champaign
Jackson, Charlotte	HEAgr	69	* † Oblong
Jackson, Chester Oscar	AC		* † DeKalb
Jackson, Clifford Lawrence	AC	110½	* † Berwyn
Jackson, Ernest Theodore	SS	124	* † Odin
Jackson, Euris J	ED (SS)	87½	* † Mt. Vernon
Jackson, Frank Allen	Chem		* † Champaign
Jackson, Jerry Tyler	EE	70	* † New Hampton, Iowa
Jackson, Mrs. Myrna Griffith	SS	20½	* † Brownstown
Jackson, Myrna Lois	Mus	32	* † Manteno
Jackson, Paul Edwin	Bus		* † St. Louis, Missouri
Jackson, Russell Raymond	EE	117½	* † Findlay
Jackson, Walter Henry	MinE	104½	* † Toulon
Jackson, William Wesley, Jr.	CE		* † Kenney
Jackson, Wilton Waltham	LAS	7	* † Washington, D. C.
Jackson, Winfield Hall	LAS		* † Chicago
Jackson, Zerny Monroe	LAS	19	* † Urbana
Jacob, Salome Jeanne	LAS		* † Peoria
Jacobi, Arthur	Jnl	36	* † Oak Park
Jacobs, Frank Harvey	SS	62½	* † Dola, Ohio
Jacobs, Glenn	AC	19½	* † Greeley, Colorado
Jacobs, Harry Darnell	SS	5	* † Dola, Ohio
Jacobs, Henry Francis	Bus		* † Lima
Jacobs, Mrs. Lois Harper	SS	5	* † Urbana
Jacobs, Margaret Caroline	LAS	34	* † Chicago
Jacobs, Marion Griggs	PreL		* † Trivoli
Jacobs, Russell Lawrence	MinE (SS)	78	* † Chicago
Jacobson, James Williams	PreL		* † Chicago
Jacobson, Kenneth	Arch		* † Perry, Iowa
Jaeck, Elsie Laura, A.B., 1914	Lib		* † Naperville
Jame, Lawrence Allen	Jnl	39½	* † Danville
James, Arthur Byron	Agr		* † Urbana
James, Hallie Mae	HELAS	58	* † Champaign
James, Harold Lewis	Bus	32	* † Canton
James, Harold Thomas	Bus	62	* † Seymour, Indiana
James, Hobart Carrington	Bus	56½	* † Rockford
James, Lyman Walton	PreM		* † Urbana
James, Margaret Crull	HELAS	69	* † Indianapolis, Indiana
James, Mary	LAS (SS)	103	* † Eureka
James, Rachael	LAS		* † Chicago
James, Rode Madison	LAS	31	* † Salem
Jamieson, Gilbert	Bus	29	* † Moline
Jamieson, Ami Noel	CE		* † Divide, Colorado
Jamison, Ralph Cline	Bus		* † Pontiac
Jandes, August William	Accy	53	* † St. Louis, Missouri
Janecek, Charles John	EE		* † Chicago
Janes, Milo	AE	96½	* † La Fayette
Jankowsky, Joseph	Bus	70½	* † Tulsa, Oklahoma
Janowitz, Louis Herbert	ME	66½	* † Waukegan
Janowitz, Rose Harriette	Jnl	66	* † Waukegan
Jansen, Herbert Daurel	AE	62½	* † Oshkosh, Wisconsin
Jansen, James Nathan	IA	24	* † Pekin
Jansen, Ruth Evelyn	Mus	63	* † Kankakee
Janssen, Herman Gerard	Agr	64	* † Chicago
Janssen, Olga Fredericka	SS	6½	* † Peoria
Jansson, Martin Ernest	CE	107	* † Chicago
Janz, Arthur William	Bus	109½	* † Peru
Jaques, John Reede	IA		* † Champaign
Jardine, Helen	LAS	80	* † Belvidere
Jardine, Ray	EE	79½	* † Spring Valley, Minnesota
Jarosh, Ione Olga	LAS		* † Chicago
Jarrett, Arvilla Etna	SS	6½	* † Maxwell
Jarrett, Harry W	Agr	67	* † Champaign
Jasinski, Romuald Felix	Arch	34½	* † Chicago
Jaskowiak, Roman Anthony	EE	56	* † LaSalle
Jasper, Edward Miron, B.S., 1911	Ed irr		* † Newton
Javaras, Viola George	SS	8	* † Chicago
Javier, Pedro Villamieva	ME	30	* † Quingua, Philippine Islands
Jeffers, Adrienne	Mus (SS)	74	* † Urbana
Jeffers, John Dewey	Arch	113½	* † Oklahoma City, Oklahoma
Jenkins, Thelma Madge	HELAS		* † Tower Hill
Jenks, Charles Nelson	AC		* † Paris
Jennings, Edgerton Ryerson	LAS	25	* † Chicago
Jennings, Kenneth Dickson	AE		* † Champaign

Jennings, William Samuel	AE	27½	* † Davenport, Iowa
Jensen, Siegfert Amanuel	ME	108	* † Dwight
Jenson, Gerhard Olaus	Bus	33½	* † Edgerton, Wisconsin
Jentsch, Walter Hans	FC	33	* † Chicago
Jervis, Florence May, B.Mus, 1916	SS	166	* † Champaign
Jervis, Thomas Everett	IA	112	* † Cincinnati, Ohio
Jesse, Evelyn	Bus		* † Chicago
Jessen, Clifford Tvilstedgaard	Agr	97½	* † Alto Pass
Jessen, Paul	Agr	15½	* † Alto Pass
Jestes, Edmiston Rankin	Bus		* † DuQuoin
Jewell, Edward Clinton Scott	Bus	34	* † Chicago
Jewell, William Ray	ME	70	* † Danville
Jewett, Joseph Eugene	CE	110	* † Kansas City, Missouri
Jilly, Ralph Fred	EE	70	* † Peoria
Jimenez, Mrs. Gertrude Emily	LAS	95	* † Champaign
Jimenez, Jose T	Agr	65½	* † Neuva, Philippine Islands
Jimenez, Joseph I	Accy	62	* † Panama, Canal Zone
Jobst, Chester Albert	Law (SS)	23	* † Chicago
Jobst, Valentine	LAS		* † Peoria
Joedicke, Louis Charles	ChE	34½	* † Waterloo
John, Melle	Ed	91½	* † Urbana
Johns, Harry Alfred, Jr.	Eng (SS)	119½	* † Kankakee
Johns, Harry Corwin	LAS	71½	* † Ellery
Johns, Ralph Stanley	Accy (SS)	44½	* † Oak Park
Johns, William Louis	Agr	55	* † Rockford
Johnson, Adelaide Lumina	LAS	33	* † Divernon
Johnson, Alberta Frances	LAS	28	* † Urbana
Johnson, Anton Julius	Bus		* † Oak Park
Johnson, Arthur Gunner	Bus (SS)	50½	* † Urbana
Johnson, Arthur Olof	CE		* † Chicago
Johnson, Arvid Tegner	SS	22	* † Greenville
Johnson, Charles Everett	Agr		* † Monmouth
Johnson, Charles Theodore	Bus (SS)	38	* † Chicago
Johnson, Clara Loys	LAS	76	* † Oak Park
Johnson, Clare Aldo	Bus	29½	* † Kalamazoo, Michigan
Johnson, Claude Francis	Bus	87½	* † South Haven, Michigan
Johnson, Dewey Woodruff	CE	139½	* † Marshall
Johnson, Dick	CE		* † Mt. Olive
Johnson, Donald Richard	Accy		* † Morrisville
Johnson, Earl Victor	Eng unc		* † Hinsdale
Johnson, Edith Marie	SS	40	* † Cairo
Johnson, Edward Emanuel	Bus		* † Hinsdale
Johnson, Elgin Aldritch	Arch		* † Sioux City, Iowa
Johnson, Elmer	PreL	28	* † Wayne City
Johnson, Emil Balder	ME	73½	* † Crystal Lake
Johnson, Ernest Clayton, Jr.	MinE	84½	* † Chicago
Johnson, Fay Warren	Law	75	* † Sidney
Johnson, Florence Beryl	LAS		* † Wilmette
Johnson, Franklin Pitcher	Agr	65	* † St. Louis, Missouri
Johnson, Fred	Agr unc	37	* † Chicago
Johnson, George Albin	Bus	8	* † Chicago
Johnson, George Dillion	Bus	62	* † Danville
Johnson, Gustaf Adolph	CerE	78	* † Bloomington
Johnson, Harold Axel	Bus	31	* † Rock Island
Johnson, Harry Benjamin	IA	99	* † Champaign
Johnson, Helen Kathryn	Bus		* † Crystal Lake
Johnson, Hilding Andrew	Bus		* † Chicago
Johnson, Horace Merrill	ME	35	* † Chicago
Johnson, James Francis	Agr	101	* † Warsaw
Johnson, James Leroy, Jr.	LAS (SS)	23½	* † Mt. Vernon
Johnson, John Robert	Bus	38½	* † Mattoon
Johnson, John Sigurd	Bus	32	* † Orange, Massachusetts
Johnson, Laurence Edward	ChE	22	* † Tuscola
Johnson, Lee	Bus		* † Colfax
Johnson, Leland Taylor	LAS (SS)	101	* † Urbana
Johnson, Leonard Orin	Bus		* † Champaign
Johnson, Leopold Nathanel	CE		* † Batavia
Johnson, Lowell Norman	Law		* † Molins
Johnson, Lucy Ellen	LAS	67	* † Pana
Johnson, Mildred Hope	LAS	77	* † Chicago
Johnson, Nobel Gustav	LAS		* † Paxton
Johnson, Paul LaForest	Eng	116	* † Los Angeles
Johnson, Raymond Gustaves	AE (SS)	46½	* † Moline
Johnson, Robert Clark Poindexter	Bus (SS)	75	* † Manassa, Virginia
Johnson, Roy Raymond	Bus	48	* † Centralia
Johnson, Russell	SS	5	* † Chicago
Johnson, Thomas Pierce	Accy (SS)	68½	* † Homer
Johnson, Vera Hildegard	LAS	58	* † Muskegon, Michigan
Johnson, Walter Ryerson	FC	64½	* † Divernon
Johnson, Ward William	PreL		* † Westfield, Indiana
Johnson, Wilbur Elihu	PreL	51	* † Rockford
Johnson, Wilfred Henry	CL		* † Rockford
Johnson, Wilma Lee	LAS	58½	* † Eldorado
Johnsos, Raymond D	IA	68½	* † Chicago
Johnston, Bennett	Bus	32	* † Chicago

Johnston, Bertha Mable	LAS		* † Cambridge
Johnston, Charles Ralph	PreL	67	* † Chicago
Johnston, George Seely	Bus	55	* † Champaign
Johnston, Gillette	LAS		* † Warsaw
Johnston, Helen Marshall	HELAS unc		* † Wichita, Kansas
Johnston, Joseph Edwin	Bus	60	* † Chicago
Johnston, Odien Kurtz	LAS	25½	* † Rockyford, Colorado
Johnston, Perry Floyd	Accy	67	* † Sibley
Johnston, Ray Tilton	Agr	30	* † Allona
Johnston, Robert Monier	LAS		* † Kewanee
Johnstone, Dorothy Honey	SS	8	* † St. Louis, Missouri
Johannot, Grace Marie	HELAS (SS)	82½	* † Champaign
Jolly, Meta Georgia	Jnl	77½	* † Champaign
Jones, Aileen Bell	Ed (SS)	63½	* † Hope, Kansas
Jones, Arthur William	Bus		* † Buffalo, New York
Jones, Benjamin Milton	Agr (SS)	39	* † Humboldt, Kansas
Jones, Bernard Lauth	AE		* † Chicago
Jones, Blythe Randolph	LAS		* † Petersburg, Indiana
Jones, Christine Elizabeth	Ed	90½	* † Muncie, Indiana
Jones, Delmar Kee	Agr	104	* † Bloomington
Jones, Donald Armand	Agr		* † Oak Park
Jones, Dorothy Ellen	Jnl		* † Johnston City
Jones, Fred Monroe	FC		* † Springfield
Jones, G Price	SS	7½	* † Medina, New York
Jones, Glenn Abiah	ChE	54	* † Johnston City
Jones, Harris William	Jnl	33	* Carmi
Jones, Harry Hugh	SS	14	* † Sidell
Jones, Howard Lewis	LAS	116	* † Chenoa
Jones, Hugh Emlyn	Bus		* † Kirksville, Missouri
Jones, James Edward	Accy	45½	* † Wayne, Nebraska
Jones, James Knox	Bus	85½	* † Greencastle, Indiana
Jones, Jessie Allee, A.B., 1918	Lib		* † Danville
Jones, J Benton Wesley	CE		* † Kenilworth
Jones, John Howard	Bus	27	* † Champaign
Jones, John W	Arch (SS)	17	* † Chicago
Jones, Laurence Hertle	Bus (SS)	31	* † Oak Park
Jones, Lawrence Martin	LAS	17	* † Vict, Oklahoma
Jones, Llewellyn	ME (SS)	134	* † Chicago
Jones, Mary Jane	LAS	98½	* † San Antonio, Texas
Jones, Maurice	ME	10	* † Urbana
Jones, Maurine	LAS	30	* † Ridgefarm
Jones, Merle Warren	Agr	15½	* † Benton
Jones, Pearl Elizabeth	HEAgr	66½	* † Chicago
Jones, Philip Weldon	Arch		* † Michigan City, Indiana
Jones, Raymond Lewis	ChE	62	* † Chicago
Jones, Robert Moore	LAS	98	* † Oak Park
Jones, Ruth Anne	LAS		* † Pinckneyville
Jones, Sherman	Vsp (SS)	10½	* † Robinson
Jones, Theodore Russel	Bus		* † Williamsville
Jones, Thornton Price	CE (SS)	78	* † Bicknell, Indiana
Jones, Verne Harold	PreM	29½	* † St. Joseph, Missouri
Jones, Warren	LAS		* † Indianapolis, Indiana
Jones, William Brown	Bus	15	* † Mt. Carmel
Jordan, Clarence Levi	IED (SS)	49	* † Minneapolis, Minnesota
Jordan, Donald Voorhees	PreM	80½	* † Chicago
Jordan, Harold Emery	LAS	113½	* † Chicago
Jordan, Horace	LAS (SS)	11	* † Chicago
Jordan, Julian	IA	54	* † Quincy
Jordan, Kathleen Mary	LAS unc		* † Chenoa
Jordan, Kenneth Dunham	LG	10	* † Sesser
Jorden, Myrtle May	LAS	55	* † Mazon
Jorden, Roslyn Marie	HELAS		* † Clinton
Jordon, Mary Madeline	SS	43½	* † Palestine
Jordon, William Carleton	Bus	32	* † Chicago
Jorgenson, John	CE		* † Hayden, Indiana
Joseph, Effie Catherine	LAS	104½	* † Northville, Michigan
Joseph, Stanley Earl	SS	6½	* † Bombay, India
Joshi, Anant Keshao	Chem (SS)	58	* † Chicago
Joy, Dorothy Ann	LAS	30	* † Chicago
Joy, Philip Wickware	CE	40	* † Centralia
Joy, Vera Irene	SS	38	* † Harrisburg
Joyner, Louise	LAS	101	* † Vincennes, Indiana
Judah, Charles Burnet, Jr.	LAS (SS)	51	* † Chicago
Judson, Bertha R	Ed	87½	* † Bristol, Indiana
Judson, Victor James	Agr		* † Rushford, Minnesota
Julsrud, Kenneth Nash	SS	7½	* † Chicago
Jungell, Emil Wennen	Jnl	33	* † St. Louis, Missouri
Jungmann, Harold Leon	Chem (SS)	98	* † Homer
Junkens, John Hartman	Agr		* † Alhambra
Jurd, Samuel Owen	LAS	33	* † Riverside
Juric, Joseph Peter	IA	80½	* † Washburn
Jury, Coral Maurine	HELAS	90½	* † Lorain, Ohio
Justice, Ivan S	SS	6	* † Champaign
Jutkins, Clarence Emig	ME	14	* † Champaign
Kabbes, Sarah Madonna	Accy	32	

Kadoch, Adferd Demetrus	LAS		* † Chicago
Kaemper, Ernest Fred	ME	93	* † East St. Louis
Kagey, Rudolph Hornsday	Jnl		* † Champaign
Kagy, Leigh Monroe	Law	28	* † Salem
Kahl, Laurence Frank	Agr		* † Kirkland
Kahle, Estelle Dorothy	SS	15½	* † Carlinville
Kahle, Gerald Julius	Arch		* † Sterling, Colorado
Kahlert, James Howard	LAS		* † Carlyle
Kahn, Helen Fay	LAS	20	* † Desloge, Missouri
Kahn, Kathryn	LAS	33	* † Chicago
Kahoun, John Anton	PreL	45	* † Chicago
Kaiser, Clifford Allen	IA	45¾	* † Chicago
Kaiser, Herbert Harlan	Bus	67½	* † Monticello
Kalish, Sidney	Bus	5½	* † Chicago
Kaminski, Alfred	FOM		* † Chicago
Kamm, Blanche Vivian	LAS	68	* † Atwood
Kandelin, Leonard Matthew	Eng	35	* † Ishpeming, Michigan
Kane, Catherine Mary	LAS	30	* † Champaign
Kang, Mien Hwa	ChE (SS)	89	* † Hunan, China
Kannally, Harris Joseph	Bus		* † Sterling
Kanter, Charles	SS	65	* † Chicago
Kaplan, Hyman Joseph	PreM (SS)	23	* † Champaign
Kappenmacher, Jerome	Bus	65	* † Chicago
Kapple, Ivan Maurer	Bus	68	* † Chicago
Kappus, Julia Anna	HELAS	36½	* † Elmhurst
Karakasheff, Jordan Athanas	Jnl unc		* † Kola, Bulgaria
Karcher, Raymond Andrew	Bus	30	* † Little Rock, Arkansas
Karlson, Arthur	CE		* † Hinsdale
Karnahan, Hazel Clare	HELAS	73	* † Carlinville
Karnes, Thomas Donald	AC	34	* † Fairbury
Karr, Gertrude	SS	8	* † Rinard
Karraker, Zelma Zenobia	SHHEEd (SS)	98½	* † Jonesboro
Karrenbrock, Wilbert Eugene	Bus	121¾	* † New Melle, Missouri
Kartman, Benjamin	Jnl	101½	* † Chicago
Kashin, Boris Leonidovich	MinE	17½	* † Vladivostock, Siberia
Kashin, Gleb Leonidovich	MinE	6	* † Vladivostock, Siberia
Kassel, John Henry Leslie	Accy	67	* † Evanston
Kastner, Charles John	Bus		* † Galena
Kataria, Karam Chand	Bank (SS)	121	* † Karamoon, India
Katti, Muppanna Chaunavirappa	Chem (SS)	107	* † Tiptur, India
Kaufman, Arthur Stanley	Bus		* † Seymour, Indiana
Kaufman, Howard Edward	Eng		* † Tiskilwa
Keach, Guy E	Bus	74	* † Casey
Keach, Vernice Eva	HELAS	104½	* † Casey
Kearns, William Patrick	SS		* † Winchester, Kentucky
Keatts, Bernard Dewey	CE	70	* † Decatur
Keefer, Gladys Faith	SS	5½	* † Amboy
Keele, Harold Marquiss	LAS	101	* † Monticello
Keele, Russell Pearl	PreM		* † Litchfield
Keeler, Otis	SS	55	* † Brownstown
Keeler, Theodosia Julia	LAS	100	* † Earlville
Keenan, James Sargent	Bus	63	* † LeRoy
Keeney, Herman Fletcher	Agr	36	* † Catlin
Keesling, Fred Archie	SS	7	* † Castleton, Indiana
Kehart, Martin William	CE	28	* † Benld
Kehl, Charlotte Ellen	LAS	38½	* † Sandwich
Keim, Edwin Emmert	Agr	67	* † Mt. Carroll
Keith, John Alling	LAS	65	* † Kenilworth
Kell, Gladys	SS	16	* † Kell
Kell, John Erwin	LG		* † Kell
Kell, Ray Davis	EE		* † Benton
Keller, Henry William	EE		* † Cicero
Kelley, Marion Elizabeth	HELAS	31	* † Chicago
Kelley, Mildred	LAS	28	* † Johnston City
Kelley, Ralph Sumner	Bus		* † Rockford
Kelley, William Herschel	Bus	69	* † Johnston City
Kelly, Baldwin Nathan	Agr	30	* † Pittsfield
Kelly, Harold	LAS		* † Rochelle
Kelly, Helen Rhoda	LAS	35	* † Urbana
Kelly, Margaret Katherine	Bus	108½	* † Oak Park
Kelsheimer, Eugene Gillespy	Agr	94	* † Paris
Kelso, Corinne Marie	LAS	100	* † Glendale, California
Kemp, Dewey Walter	Law		* † Champaign
Kemp, Emery Leland	AE	72	* † Wyanetown, Indiana
Kemp, Wendell Walter	Agr	23	* † Wenona
Kempton, Joseph Glenn	Accy	31	* † Richmond, Indiana
Kendall, Alice Eleanor	HELAS		* † Victoria
Kendall, David Alden	AE	100	* † Peoria
Kendall, Irene	Chem	89	* † Metcalf
Kendall, Lois Margaret	LAS		* † Beardstown
Kendall, Richard George	IA	46½	* † Chicago
Kendrich, Merritt Irwin	Agr	71	* † New Canton
Kenlay, Floyd Marion	PreL		* † Danville
Kennedy, Clyde Sparks	Bus	31½	* † Freeport
Kennedy, Dayne Harrison	CerE		* † Urbana

Kennedy, Dorothy Bernice	SS	34½	Waverly
Kennedy, Elizabeth Sara	LAS	36	* † Sterling
Kennedy, Fletcher Fisher	ME	68	* † Springfield
Kennedy, Roy George	CE		* † Antioch
Kennedy, Ruth Estelle	HELAS (SS)	24½	* † Decatur
Kennedy, William Carson	Bus		* † La Grange
Kennedy, William George	EE	37	* † Champaign
Kenney, Harold E	Bus		* † Loda
Kenney, John Harvey	FC	112	* † Champaign
Kenney, Leland Marshall	IA		* † Champaign
Kenney, Mahlon Wesley	EE	110	* † Loda
Kenny, Herbert Miner	Bus (SS)	112½	* † Champaign
Kenyon, John Sherman	LAS		† Aurora
Kepley, Leona Ella	LAS	67	* † Greenville
Kepper, Richard Eugene DeMonbrun	SS	6½	* † Charleston
Kerchner, Charles George	Bus		* † Freeport
Kerchner, Delbert Harlon	Law	5	* † Freeport
Kern, Helen Carol	SHHEED	73	* † Gays
Kern, Peter Daniel	Bus	28	* † Dwight
Kerr, Edward Francis	Bus		* † Mechanicsburg
Kerr, Harriett Hazel	LAS	62	* † Metropolis
Kerr, Ralph	Agr	109½	* † Urbana
Kerrigan, Edward Nicholas	ME	117	* † Chicago
Kerrins, John Quinn	Bus	33	* † Chatsworth
Kersey, Rose Marie	Ed	60	* † Shannon
Kershaw, Edward James	LAS		* † Kankakee
Kertis, Elizabeth	Ed	131½	* † Champaign
Kerwin, John Joseph	CE	67	* † Joliet
Kesler, Clifford Ray	Accy	74½	* † Danville
Kessinger, Oren Charles	SS	7½	* † Sorento
Kessler, Chester Joshua	Agr		* † Auburn
Kessler, Irwin John	Bus	30	* † Belleville
Ketchickian, Messiah	PreL		* † Racine, Wisconsin
Ketchum, Martha Esther	LAS		* † Urbana
Kettelkamp, Rose Marie	Agr unc		* † Nokomis
Ketzler, Adolph	Bus	123½	* † Chicago
Keusch, Edwin Frank	EE	69½	* † Kansas City, Missouri
Key, George William	SS	15½	* † Idaville, Indiana
Keyes, Otis Walton	Ed unc	24	† Rantoul
Keyser, John McFarland	Bus		* † Mt. Carmel
Khory, John Salim	PreM		* † Herrin
Kidwell, Dorothy Ann	LAS		* † Muncie, Indiana
Kieffer, Chester Leroy	Jnl	99½	* † Robinson
Kienzle, Georgia Florence	SS	75	* † St. Joseph
Kieran, William Anthony	Bus (SS)	95	* † Danville
Kiesler, Frank Gayle	SS	7½	* † Urbana
Kiest, Herschel Orville	Accy	115	* † Lincoln
Kight, Max Hamilton	EE	108	* † Dublin, Texas
Kilburne, William Goudie	SS	5¾	* † Canton
Kilbury, Gennette Fae	Bus	66½	* † St. Joseph
Kilcece, Charles Walter Douglas	Bus		* † Chicago
Killefer, Frances Wickliffe	Jnl	32	* † Urbana
Killpatrick, Ross Gresham	ChE		* † Hillsboro
Kilton, Darrell	Agr		* † Urbana
Kim, Chyung Eun	Chem		* † Rong Chyun, Korea
Kim, Geuk Lo	RME		* † Pyung Yong, Korea
Kimball, Elizabeth	Arch	102	* † Glencoe
Kimmel, Lucinda Alice	HEAgr		* † Lawrenceville
Kimmel, William Dean	ChE		* † Du Quoin
Kinahan, John Charles	ChE	107¾	* † Milwaukee, Wisconsin
Kincaid, Helen	LG		* † Wichita, Kansas
Kincaid, Herbert	Bus	20	* † Kansas City, Missouri
Kincaid, Jack Herbert	Bus	29	* † Chicago
Kinder, Agatha Charity	LAS		* † Lawrenceville
Kinderman, Frederick William	ChE		* † Oak Park
Kindstrom, Melvin Gustav	SS	95½	* † Salem, South Dakota
King, Alice Marguerite	Bus		* † Mokence
King, Arthur Mansfield	Bus		* † El Paso
King, Florence Dorothy	LAS		* † Greeley, Colorado
King, Helen Marguerite	SS		† Lena
King, Herman Roy	Vsp (SS)		* † Xenia
King, Laurence Charles	LAS	12	* † Chicago
King, Loman Tilman	LAS (SS)	92	* † Mt. Vernon
King, Marcus Randolph	PreL (SS)	71½	* † Chicago
King, Maurice Vinton, Jr.	Eng	58	* † Cleveland, Ohio
King, Minnie Berthine	SS	4	* † Champaign
King, Otto Larne	CE		* † Riverton
King, Walter Bernard	ChE (SS)	100½	* † Ewing
Kingery, Otis Minor	SHA Agr	113½	* † Toledo
Kingsbury, Franklin Lafin	ChE	63	* † St. Louis, Missouri
Kingsley, Anna Mary	SS	6	* † Jacksonville
Kinley, Janet Fraser	LAS	66	* † Urbana
Kinnane, Arthur John	Law	55	* † Champaign
Kinnane, Charles Herman Thomas	Law	38	* † Champaign
Kinnare, Paul Francis	Bus	6	* † La Grange

Kinney, Clarence Niles	LAS	46	* † Fort Collins, Colorado
Kinney, Guy Newton	Eng		* Chicago
Kinney, Ronald Eugene	Bus	113½	* Kansas City, Missouri
Kinsey, Dan Chapin	AC	27	* † St. Louis, Missouri
Kinsey, Elizabeth Edythe	LAS		* † Champaign
Kinsey, Halladay Medcalf	LAS	53	* † St. Louis, Missouri
Kinsinger, D Paul	Bus		* † Peoria
Kiram, Tarhata	LAS	5	* † Sulu, Philippine Islands
Kirby, Forrest Willard	SS	8	* Indianapolis, Indiana
Kirby, Nelle Almeda, B.Mus., 1921	SS	213½	* Eureka
Kirby, William Francis	LAS	32	* Urbana
Kirchner, Herbert John	PreM		* † Harvey
Kirchner, LeRoy William	Accy		* † Harvey
Kirk, Charley Edmund	Agr	63	* † Oblong
Kirk, Glenn Ladd	Agr	17	* † Edinburg
Kirk, James Covington	Bus	58½	* Champaign
Kirk, Thornton Robert Lee	Bus (SS)	55½	* † Champaign
Kirkeby, Edwin Oliver	Bus		* Chicago
Kirkeby, Frank Henry	Bus		* Chicago
Kirkpatrick, Kenneth Wilson	Accy	32	* Urbana
Kirkpatrick, Vera Lucille	LAS unc		* Urbana
Kirkpatrick, Vivian Maurine	LAS	101	* Tuscola
Kirkpatrick, William Orvis	ME	5	* † Lacombe, Canada
Kirkwood, Anna Carr	LAS	58	* † Lawrenceville
Kirsch, Anthony Richard	Accy	33	* Urbana
Kirsch, Donald Bruce	LAS		* Chicago
Kirsch, Jacob Alexander	Bus	62	* † Benton
Kirsch, Joseph Hudelson	AE		* † Benton
Kirschner, Leslie Gordon	PreL		* † Barrington
Kirschbaum, Jack	PreM		* Chicago
Kirsner, Harold Robert	Bus	32	* Chicago
Kirwan, Harry Martin	Bus	33	* † Wauconda
Kiser, Arnold Ray	PreL		* Joliet
Kiser, Russell Buren	Bus		* † Wellington
Kishpaugh, Harold William	PreM	32	* † Wyanct
Kissinger, Clarence Andrew	Arch	123½	* † Olney
Kistner, Arthur Wesley	PreM	36	* † Elkhart, Indiana
Kistner, Harriet Wilemina	LAS	40	* † Indianapolis, Indiana
Kitchel, Ruth Houser	Ed	111	* † Liberty, Indiana
Kitchell, Florence Ethel	HELAS	114	* † Morrisonville
Kite, Manuel Cecil	Bus		* Chicago
Kizer, John Lawrence	IA	21	* † South Bend, Indiana
Kizer, Priscilla Alden	LAS		* † Princeton
Klaproth, Norman Thomas	EE	114	* Chicago
Klare, Elizabeth Lorene	LAS	45	* † Shelbyville, Indiana
Klees, James Mathias	Bus		* Chicago
Klein, Bernard David	AC	61	* Chicago
Klein, Henry George	Bus	28	* Chicago
Klein, Leroy Nathan	ChE (SS)	106	* Kansas City, Missouri
Klein, Marie Inez	LAS	32	* † Omaha, Nebraska
Klein, Max Joseph	SS	8	* Glasco, Kansas
Klein, Milton Preston	Bus		* Chicago
Klein, Otto Gustav	PreM	38	* † Chicago
Klemt, Leslie Franz Arthur	Bus	65	* † Chicago
Klenha, Robert	LAS		* Cicero
Klinckmann, Erwin Christian	ChE	128½	* Chicago
Klindt, Herbert James	AC	30	* † Sheridan, Wyoming
Kline, Elwin Foster	AC		* Chicago
Kling, Margaret Aimee	LAS	62	* † Dixon
Klingebiel, Ray Irvin	Law	28	* † East Moline
Klingler, Chester Paul	PreM		* † Chicago Heights
Klingler, Lester James	FC		* Chicago Heights
Klivans, Harold Irving	Bus		* † Youngstown, Ohio
Klivans, Helen	HELAS		* † Youngstown, Ohio
Klontz, Mrs. Augusta	SS	25	* Champaign
Klopper, Frank	CE		* Chicago
Kloppenburger, Ralph Haase	Arch	3	* † Davenport, Iowa
Kloppenburger, Victor Louis	Ins	67	* † Davenport, Iowa
Klopper, Leonard	Bus	99	* † Chicago
Klow, Lena	LAS		* Chicago
Kluckhohn, Charles Joseph	SS	9	* Reddick
Klutas, John Edward	Bus (SS)	68	* Sterling
Klute, Milton Harry	Bus		* † Chester
Klute, Roy Harvey	Bus	66	* † Chester
Knapheide, Marjorie Hortense	LAS	21	* † Quincy
Knapheide, Merle Douglas	Chem	128½	* † Quincy
Knarr, Katharine Margaret	LAS		* † Buffalo, New York
Knecht, Walter Grote	EE	33	* † Elgin
Kneer, Greta Lucille	HELAS	77	* † Laura
Kneeshaw, Gladys Stella	Bus	8	* † Niles, Michigan
Kneer, Ina Helen	SS		* Fayetteville, Arkansas
Knetzer, George Edmund	Bank		* † Du Quoin
Kniebusch, Harold Carl	AE		* † La Crosse, Wisconsin
Knight, Frank Burrows	ME	49	* Chicago
Knight, Frank William	SS	8½	* Poplar, Montana

Knight, Helen Bernice	LAS		* † Chicago
Knight, Mildred Janet	Bus	71	* † Somanauk
Knight, Paul	Agr	27	* † Frederick
Knight, Sheldon Chadbourne	LAS		* † Chicago
Knipp, Frances Mary	LAS		* † Urbana
Knobloch, Louis Frank	PreL		* † Arthur
Knotts, Warren	Accy		* † Urbana
Knowlton, Dallas	SS	8	* † De Pue
Knox, Walter Andrew	PreL (SS)	57½	* † Morrison
Knudsen, Mrs. Ruth Whittier	SS	9	* † Eureka
Koch, Colby Gordon	LAS		* † Pekin
Koch, Everett William	Agr	101	* † Warsaw
Koch, Helen Durand	LAS	66	* † Alton
Koch, Leo Joseph	ME		* † Chicago
Koch, Lorin Chester	Agr	50	* † Varna
Koch, Martin	Bus		* † Chicago
Koch, Robert Fredrick	Bus		* † Peoria
Koch, Robert Walter	Bus		* † Belvidere
Koch, Victor Hugo	Bus	27	* † Highland
Koch, William Mortimer, Jr.	Agr	84	* † Varna
Kocour, Cyril Joseph	ChE	126	* † Chicago
Koehler, Edwin Robert	CE	108	* † Chicago
Koehler, James Frederio	Eph		* † Chicago
Koehn, Geneva	LAS	52½	* † Tuscola
Koenen, Albert Theodore	MinE (SS)	31	* † Baldwin
Koenig, Karl Frederick	ChE (SS)	103	* † Alton
Koenig, Russel Otto	LG (SS)	120	* † Bremen, Indiana
Koepke, Edward Frank A	CE		* † Chicago
Koerfer, Oswald Bernard	Bus		* † Aurora
Koerfer, Paul Edward	EE	86½	* † Aurora
Koestner, Paul Andrew	PreM		* † Chicago
Kohl, Edith	LAS	67	* † Centralia
Kohl, Leona Josepha	Mus	70	* † Belleville
Kohlhagen, Grace Emily	LAS	34	* † Frankfort
Kohlhagen, Olive Elizabeth	PreM	63	* † Frankfort
Kohout, Jerre	Flor	87	* † Chicago
Kohr, Walter Hedman	Bus		* † Chicago
Kolb, Esther Ruth	Jnl	31	* † Chicago
Kolb, Kathryn Louise	HELAS	94	* † Lebanon
Kolben, Henry, Jr.	ME	107	* † Chicago
Kolmer, Louis Christ	Bus		* † Waterloo
Kolmer, Oliver Ernst	Agr	95	* † Waterloo
Kong, Yue Tai	ChE		* † Canton, China
Konichek, James Thomas	SS	9½	* † Prairie du Chien, Wisconsin
Konrad, Walter Philip	SS	7½	* † Carlyle
Kooi, Lorna Helen	Mus		* † Sheridan, Wyoming
Koonce, Riley J	SS	8½	* † Hattiesburg, Mississippi
Koonz, John Charles	EE	36	* † Winnetka
Kopf, Harry Clifford	Bus	32	* † Chicago
Kopp, Thaddeus Waldamore	ChE		* † Chicago
Koppel, Maurice George	AE		* † Chicago
Kordell, Leon Bruno	CE	97	* † Chicago
Koritz, Lloyd Amos	Agr	34	* † Thaverville
Kost, Martha Elizabeth	SS	4	* † Astoria
Kosvich, David	Arch	70	* † Chicago
Koupal, Elsa Emily, A.B., 1922	SS	132½	* † Crown Point, Indiana
Kovacsy, William George	ME	107	* † Hammond, Indiana
Kozelka, Joseph Benjamin	Bus (SS)	102½	* † Chicago
Kraeger, Alice Edwardine	LAS	69	* † Pekin
Kraemer, Emilie Hermine	PreM		* † Peoria
Kraemer, Irvin Fred	AE unc (SS)	36	* † Champaign
Kraft, Fred William	Bus		* † East St. Louis
Kraft, Frederic Wolfe	EE		* † Chicago
Kramer, Harry Summerfield	Bus		* † East St. Louis
Kramer, Joseph Louis	Law		* † Chicago
Kramer, Reginald Lorenz	SS	8	* † Kenyon, Minnesota
Kramer, William Punttenney	Arch		* † Rushville, Indiana
Krauel, Dorothy Mary	SHHEEd	68	* † Danville
Krause, Christine Marie Louise	SS	15	* † Dieterich
Krauskopf, Karl Hort	Bus	23½	* † Maywood
Krauskopf, Sherry Bowan	LAS	92	* † Maywood
Krautheim, William Charles	ME	100	* † Granite City
Kreer, John George, Jr.	EE	33	* † Chicago
Kreider, Charles Morr	Eng		* † Chicago
Krekler, William Henry	LG	93½	* † Clinton, Indiana
Krell, Ernest Otto	EE		* † Springfield
Krenz, Edgar John	EE	82½	* † Chicago
Krenz, Mathilde Hannah	LAS	95	* † Chicago
Kress, William Edward	Bus	61	* † Springfield
Kretske, Eugene Clarence	PreL		* † Chicago
Kreuser, Theodore Anthony	LAS	42½	* † Chicago
Krickhaus, Elles Walter	Jnl	26	* † Herrin
Krieg, Arthur Walter	AE	82½	* † Riverside
Kriegsman, Florence May	LAS	65½	* † Pekin
Kries, Elden Lawrence	Accy	68	* † Grayville

Kroesen, Kenneth Penn	Bus	86	* † Chicago
Krone, Max Thomas	LAS	105	* † Bryan, Ohio
Krows, Paul Martin	SHA Agr	102	* † Champaign
Krueger, David Eugene	EE	71	* † Chicago
Krueger, James Frederick	Accy		* † Fargo, North Dakota
Kreuger, Paul Fredrick	Agr	112	* † Chicago
Kruger, Irwin B	Accy	106	* † Fargo, North Dakota
Krumsieg, Raymond George John	IA	62	* † Chicago
Krumsiek, Hilda Catherine	LAS (SS)	26	* † Nashville
Kruse, Charles Edward	SHA Ed	100	* † Richmond
Kruse, Waldemar Carl, Jr.	PreL	78½	* † Champaign
Ksiazek, Chester Stephen	ME	110½	* † Chicago
Kucera, Margaret Evelyn	LAS	28	* † Maywood
Kuch, Frederick William	Bus		* † Peru, Indiana
Kuechler, Amy Adeline	SS	6	Loda
Kuechler, Charles Edward	SS	7½	Loda
Kuechler, Helen Elizabeth	SS	6	Loda
Kuehl, Edwin Christ	CE	131½	* † Davenport, Iowa
Kuehne, Harold Hugo	Bus		* † Chicago
Kuehnell, Royal Herbert	Bus		* † Chicago
Kuelzow, Dorothy Louise	HELAS		* † Wilmette
Kuenzel, Lester Henry	SS		Dubuque, Iowa
Kuhle, Orlando Augustus	Law	28	* † Assumption
Kuhlemeyer, Ferne Viola	LAS	21	* † Pearl City
Kuhlemeyer, Lola Ellen	LAS		* † Pearl City
Kuhn, Raymond Charles	Agr		* † Centralia
Kuhnen, Harold Harry	Agr	33	* † Highland
Kulakowsky, Charles Edward	Law		* † Chicago
Kuller, John Walter	Ins	68	* † Ancon, Canal Zone
Kunze, Ernest John	Ed	82½	* † Marissa
Kuppinger, Harold Earl	EE	67	* † Mason City, Iowa
Kurruus, Charles Gustav, Jr.	LAS	34	* † East St. Louis
Kurth, Owen B	Bus	17½	* † Centralia
Kurtz, Frances	LAS	60	* † St. Louis, Missouri
Kurz, Norman William	Bus		* † Chicago
Kustner, Carl Gerding	ME	113	* † Chicago
Kwan, Sung Kin	Arch	17	* † Tientsin, China
Kyger, Roy Jay	SS	115½	Danville
Kyle, Drexel Wellington	Bus		* † Colfax
Kyle, George Thomas	LAS	21½	* † East St. Louis
Laadt, Edward Jerome	Bus		* † Chicago
Laadt, William John	Bus	68	* † Chicago
Laase, Fred Henry	Agr	65½	* † Mazon
Labahn, Alfred Henry	PreL	100	* † Algonquin
LaBelle, Leo Arthur	Bus	30	* † Oak Park
Le Berge, Irene	LAS	33	* † Chicago
Lachemmyer, Agnes Lucille	LAS (SS)	68½	* † Champaign
Lackens, Georgia	Ed	111	* † Macomb
Lackey, Alice Caroline	LAS	63	* † Lawrenceville
Lacy, Reginald Ross	Mine	108	* † Herrin
Ladd, Dwight John	PreM (SS)	106½	* † Shabbona
Lafferty, George Gustavus	SS	117	Burgess
LaFollette, Bernell Lois	LAS	34	* † Ramoul
Lafuze, Donald Frazier	Law	72	* † Liberty, Indiana
Lageschulte, Verne Henry	Bus		* † Barrington
Lai, Lien	ME	106	* † Changsha, China
Laibl, James William	EE		* † Cicero
Laible, Beryl Vivian	HE Agr	64	* † Freeport
Laird, Leshie Keeley	IA		* † Chicago
Lake, Mary Florence	LAS	65	* † Blountsville, Indiana
Lake, William Paul	AE (SS)	81½	* † Dayton, Ohio
Lamb, Gladys Elmira	Ed (SS)	61½	* † Bement
Lambert, Kathryn Mary	Ed	100½	* † Arthur
Lambert, Kenneth Coghlan	CerE (SS)	108	* † Maywood
Lambert, Mary Elizabeth	LAS		* † Maywood
Lambright, John Allen	AC	19	* † Landrum, South Carolina
Lamer, Glenn Robert	Bus		* † Cobden
Lamer, Wallace Joseph	Bus		* † Cobden
Lamp, Edward Ewaldt	MSE ssp	8	* † Rock Island
Lampe, Chester Edward	CerE	34	* † Quincy
Lampitok, Andrew Bonus	SS	62	* † Champaign
Lampost, Leonard Rollings	RCE	112½	* † Chicago
Lancaster, Samuel Pottinger	Eng	100	* † Chicago
Lance, John Foster	SS		* † Pittsburg, Kansas
Landau, Jack Saul	Bus	48	* † Chicago
Lander, Russell Herbert	Agr	32	* † Belvidere
Landes, Christian Arthur	Agr		* † Indianapolis, Indiana
Landfield, Joseph David	Bus	60½	* † Chicago
Landis, William Speer	Bus	62	* † Chicago
Landon, Harry Ivan	Agr	13	* † Rio
Landon, Robert C	LAS		* † Champaign
Lane, Charles Felder	PreL	32	* † Chicago
Lane, Charles Howard	Bus	118½	* † Clinton
Lane, Emily Elizabeth	LAS	30	* † Western Springs
Lane, George Cooke	Agr		* † Hinsdale

Lane, Harold Guy	ME	63	* † Belvidere
Lane, Harold Harrison	SS	49	* † Clinton
Lane, James Russel	AC unc	8	* † Crete
Lang, Frederick William	Arch	80	* † Evanston
Lang, Viola Gladys	LAS		* † Chicago
Lang, William Joseph	Eng		* † Chicago
Langellier, Maurice Fielding	Bus		* † Clinton
Langham, Irene	LAS	67	* † Keyesport
Langhenrich, Fred William	Arch	60½	* † Chicago
Langlands, Stewart Nicol	Bus		* † Chicago
Langston, Carroll Spencer	PreL	23	* † Pekin
Lansford, Wallace Monroe	CE	70	* † St. Peter
Lansing, William	Chem	25	* † Ottawa
Lantz, Mildred	HEAgr	99	* † Congerville
LaPlant, Mildred Annetta	LAS		* † Antioch
Lappin, Warren Curtie	SS		* † Morehead, Kentucky
LaRosa, Willard Edwin	Bus		* † Loda
Larry, Etta Cynthia	HEAgr (SS)	103	* † Champaign
Larry, Herbert Freeman	CE	35	* † Champaign
Larsen, Christian Leslie	EE	65	* † Chicago
Larsen, Harold Theodore	CE (SS)	107½	* † New London, Connecticut
Larsen, Thorleif	IA		* † Chicago
Larsen, Valdemar Charles, Jr.	LAS (SS)	59½	* † Oak Park
Larson, Andrew	LG unc		* † Habal, Sweden
Larson, Carl G	Bus	92½	* † Oak Park
Larson, Eleanor Ruth	LAS	33	* † Chicago
Larson, Erland Cornelius	Agr		* † DeKalb
Larson, Gladys Madge	LAS	101	* † Princeton
Larson, Godfrey William	CE	105½	* † Kansas City, Missouri
Larson, Leslie Leonard	LAS		* † Chicago
Larson, Nigel Marie		38	* † Decatur
Larson, Paul Filup	CerE	87½	* † Mazon
Larson, Reinhold Fridtjof	ME	108	* † Geneva
Larson, Vivian Gladys	LAS	47½	* † Decatur
Lasco, Harrel Luliver	Agr		* † Antioch
Lash, Clarence Eugene	CE		* † Bloomington
Lassagne, Theodore Hawley	LAS		* † Chicago
Latham, Ora Florence	LAS		* † Staunton
Latowsky, Erwin Ewold	CL		* † Urbana
Latowsky, Hilda Charlotte	LAS (SS)	7	* † Urbana
Lauchner, Aaron H	SS	8	* † Alton
Lauer, Carl William	RA	4	* † Roanoke, Indiana
Lauer, Meyer Chase	Bus	33	* † Plymouth, Indiana
Laughlin, Laura Mable	Bus		* † Urbana
Laurence, Albert	SS	5	* † Urbana
Lauritsen, Donald Lampton	Jnl		* † Chicago
Lauterbach, Arthur	ChE		* † Chicago
Laver, Roscoe Gregory	EE		* † Pontiac
Laveter, Simon Eliote	PreM		* † Chicago
Lavieri, Frank Joseph	PreM		* † Chicago
Lavik, Rudolf Halbert	SS		* † Milnor, South Dakota
Law, Clifford Julian	ME	81½	* † Springfield
Law, Glenn Cline	AC		* † Cairo, West Virginia
Law, Rhene Berwyn	AC (SS)	105	* † Saranna
Lawder, John Francis	Mus	3	* † Champaign
Lawrence, John William	PreM		* † Terre Haute, Indiana
Lawrence, M Stamislas	SS		* † Urbana
Lawrence, Thomas Maurice	Bus	101½	* † Springfield
Lawrence, Wasson Watts	ME	79	* † Fairfield
Laws, Bernice Simpson	SS	8	* † Eureka
Lawton, Ruth	SHAAgr	120½	* † Hinsdale
Laybourn, Rueluff	AC	4½	* † Centralia
Layman, Foster Randolph	CE		* † Simsboro, Arkansas
Layne, Duff Berbiam	Bus	30	* † Centralia
Lazarus, Bernhard	IA	34	* † Chicago
Lazarus, Mildred	LAS	8	* † Chicago
Lazier, Harold Elmer	Agr	106	* † Rochelle
Lea, George Dewey	IA	66½	* † Tiskilwa
Leach, Ione Margaret	LAS	32	* † Joliet
Leach, Jule Gurtler	PreM	47	* † Chicago
Leach, Olwen Maxine	LAS	66	* † McLean
Leach, Orous Ira	YEd (SS)	77	* † Louisville
Leahy, Arthur Englert	AC		* † Chicago
Leahy, Frank Spellman	CL	30	* † Chicago
Leak, Sarah Elizabeth	LAS	24	* † Linton, Indiana
Leaming, Jeremiah Cropsey	LAS	62	* † Highland Park
Learn, William Gordon	Agr		* † Oak Park
Lease, Bruce	Ed unc		* † Crawfordsville, Iowa
Leasure, Vivian Aline	LAS		* † Champaign
LeConte, Alfred	Jnl	32	* † Danville
Lederer, Edwin Alexander	LAS	23	* † Chicago
Lederer, Edwin Rudolph	Bus	68	* † Bloomington
Ledesma, Serapion B	PreM		* † Lagonoy, Philippine Islands
Ledger, William Thomas	Bus		* † Rockford
LeDoux, Alma Catherine	Ed	60	* † Chicago Heights

Ledvinka, Leroy Harry	EE	6	* † Chicago
Lee, Alfred Ervin	SS	133½	* Champaign
Lee, Charles Franklin	Edu unc		* Centralia
Lee, Clarence Lloyd	LAS (SS)	80	* † Champaign
Lee, Donald Orval	Agr	33	* † Hoopston
Lee, Glendall Raymond	SS	8½	* Champaign
Lee, Hsiang Chuan	SS	77	* Tientsin, China
Lee, Kian Gie	ME (SS)	94½	* † Batavia, Java
Lee, Marian Florence	LAS		* Champaign
Lee, Maurice William	EE	16	* Champaign
Lee, Oliver Dittmer	AC	27	* † Niles, Michigan
Lee, Sherman Quentin	CerE	97	* † West Chicago
Lee, William Homer	Bus	94	* † Harrisburg
Leemon, Helene Blanche	LAS		* Champaign
Leemon, Mildred Jane	LAS		* Champaign
Leeper, Gladys	LAS		* Centralia
Leer, Mrs. Elizabeth Frances Powell	HEAgr		* † Washington, D. C.
deLeeuw, Abraham	Chem (SS)	13½	* † Chicago
deLeeuw, Philip Moritz	ChE	104	* † Chicago
Leggate, Leora Lillian	HEAgr	86	* † Chatsworth
Legier, John Alfred	Bus		* Carmi
Lehman, Arthur William	Bus	69½	* † Bloomington
Lehmann, Fred Gustav, Jr.	Chem	136½	* Chicago
von Lehsten, Arnold	AC	43½	* † St. Louis, Missouri
Lei, Man Wau	Bus		* † Hong Kong, China
Leib, Francis Ellsworth	EE		* † Springfield
Leibert, Edwin Reisinger	Jnl	34	* † Bradford, Pennsylvania
Leigh, Oliver Wendell Holmes	Agr	101½	* † Spoutland
Leighly, Hollis Phillip	Agr (SS)	66	* † St. Joseph
Leighton, Harold Haerle	Jnl	23½	* Chicago
Leighty, Willis Jay	Agr		* † Billett
LeMaster, Oscar Lloyd	Law	33	* † West Frankfort
LeMenager, Charles Robert	FC		* Ashkum
Lemon, John Charles	CE		* Seattle, Washington
Len, Yuey	PreM		* † Vancouver, Canada
Lennon, Daniel Joseph	Bus		* † Joliet
Lent, Ruby Edna	LAS	97	* Chicago
de Leon, Ricardo Dominador	ChE (SS)	100½	* † Tarlack, Philippine Islands
Leonard, Lois Ann	HELAS	69	* Rantoul
Leonard, Ruby Pauline	Jnl		* Potomac
Leonard, Theodore	Agr		* † Eureka
Leopold, Esther Marian	Jnl	31	* Chicago
Lepper, David Russell	IA	108	* † Syracuse, Indiana
Lepper, Ruth Gladys	Mus		* † Syracuse, Indiana
Lesch, Edward Christian	LAS	44	* † Danville
Leslie, Robert Thies	Chem	61	* † Belleville
Less, Mary Louise	HELAS	22	* Champaign
Lester, Rollin Harold	SS	69	* Kewanee
Lethen, Edward Frederick, Jr.	Accy	98	* † Chicago
Leverenz, Harold Theodore	CerE	107	* † Danville
Levin, Charles	ME	109	* † Chicago
Levin, Lewis Lazarus	Bus	69	* † Chicago
Levin, Manuel M	Bus		* † Chicago
Levin, Meyer	Accy		* † Chicago
Levin, Morris S	Bus (SS)	94	* † Monticello
Levine, Eleanor	LAS		* † New York, New York
Le Vine, Howard Jack	PreM		* † Chicago
Levinson, Arthur Aaron	ChE	77½	* † Chicago
Levis, Edward Nelson	PreL	26½	* † Alton
Levitt, Marie	LAS	29	* † Sailor Springs
Levy, Jerome Benjamin	Pre L		* † Chicago
Levy, Katherine Henrietta	LAS	63	* † Chicago
Levy, Oscar Charles	EE		* † Chicago
Levy, Russell David	EE	36	* † Oak Park
Levy, Ruth Marian	LAS		* † Beloit, Wisconsin
Levy, Samuel Albert	AC	103	* † Bayonne, New Jersey
Levystein, Alan Labell	CerE	62	* † Chicago
Lewis, Annamae Rosetta	LAS		* † Urbana
Lewis, Arthur Lee	SS	16½	* Benton
Lewis, Carl Cecil	Agr	43	* † Camp Point
Lewis, Charles Bennett	Flor	68	* † Wheaton
Lewis, David Quigg, Jr.	LAS		* † Wheaton
Lewis, Everett	Law (SS)	26	* † Benton
Lewis, Franklin Spencer	Jnl	62	* † Chicago
Lewis, Harold Wilcox	Law	22	* † Urbana
Lewis, James Mandell	ME	122½	* † Wheaton
Lewis, Joseph Thomas	Bank	6	* † Oak Park
Lewis, Kent Van	Jnl		* † Robinson
Lewis, Leora June	SS	8	* † Rapid City, South Dakota
Lewis, Leslie Lisle	LAS	81	* † New Richmond, Indiana
Lewis, Mabel Rebecca	SS	11	* Brooklyn
Lewis, Martha Estine	LAS	101½	* † Des Moines, Iowa
Lewis, Preston	Agr (SS)	67	* † Urbana
Lewis, Raymond Oliver	ME	39	* † Springfield
Lewis, Somerel Harvey	SS	1	* Alderson, West Virginia

Lewis, Sumner Fay	LAS (SS)	89½	* †	La Grange
Leyden, Richard John Thomas	IA	32	* †	Chicago
Lhotka, Henry Anton	Bus	29	* †	Chicago
Li, Chen Hsien	RA (SS)	101½	* †	Peking, China
Li, Chen Huang	CE		* †	Kiangsu, China
Li, Pao Lu	RA (SS)	101½	* †	Chihli, China
Li, Yin Chin	RCE	34	* †	Chihli, China
Li, Yung	RA (SS)	101½	* †	Chihli, China
Libin, Aaron	Arch	26	* †	Chicago
Libman, Minna Andria	LAS	48½	* †	Chicago
Libunao, Jose Bautista	RA (SS)	90	* †	Malolos, Philippine Islands
Lichty, Edson Prosper	Bus	98	* †	Zion City
Lichty, Kermit Chase	Bus		* †	Zion City
Lidschin, Max Milton	Bus	89½	* †	Chicago
Lidster, Harold Albert	Ag		* †	Mattoon
Liederman, Sidney Edward	Bus	48½	* †	St. Louis, Missouri
Liese, George Burton	Arch		* †	Danville
Liggett, Robert Samuel	PreM		* †	Virden
Liggett, William Alexander	PreM	13½	* †	Virden
Liggett, William La Verne	Bus	33	* †	Metropolis
Lightle, Ralph Waldo	Bus (SS)	32	* †	Ashland
Likins, Virgil Lichtenberger	LAS		* †	Oreana
Liljequist, Ruth Bernice	CCS	30	* †	Freeport
Liller, Ruth Margaret	SS	105½		Anna
Lin, Jung Hsiang	RCE	39	* †	Fooshou City, China
Lin, Kuan Hua	Bank (SS)	115½	* †	Moukden, China
Lin, Wan Yan	Bank (SS)	8½	* †	Tyilatjap, Java
Lincicome, Luna Belle	Bus (SS)	7	* †	Urbana
Lincoln, Harold Theodore	Bus		* †	Tuscola
Lind, Aubrey Joy	Jnl		* †	Rochelle
Lind, Paul Berthel Nickolas	PreL		* †	Chicago
Lindblom, Leonard Hamilton	IA (SS)	68	* †	Chicago
Linde, Gerald Herman	Accy	68	* †	Chicago
Linde, Gertrude Irene	LAS		* †	Chicago
Lindelof, Frank Albert	CE	24½	* †	St. Joseph
Lindemann, Herbert William	Bus	53	* †	Chicago
Linderoth, Louise Natalie	LAS		* †	Chicago
Lindley, Frances Louise	LAS		* †	West York
Lindley, James Ralph	EE (SS)	132½	* †	Marshall
Lindley, Mary	HELAS	63	* †	Hutsonville
Lindley, Mary Helen	LAS	25	* †	West York
Lindley, Ruth Hazel	LAS		* †	Urbana
Lindley, William Price	Jnl	69	* †	Sullivan, Indiana
Lindner, Charles Terry	EE	36	* †	Auburn
Lindquist, Carolyn	CerE	109	* †	Chicago
Lindquist, Marcus Frederick	PreL		* †	Chicago
Lindquist, Rubert John	Accy	91	* †	Sycamore
Lindsay, James Douglas	ME	57	* †	Springfield
Lindsey, Lelia Helen	SS	15½	* †	Shelbyville
Lindsey, Robert Earl Alexander	LAS		* †	Farmer City
Lindstrom, Wallace Nelson	Bus	41	* †	Chicago
Lindvall, Frederick Charles	REE		* †	Moline
Ling, Mei Shing	Ed	70	* †	Serang, Java
Lingenfelter, Edith Lucille	HEAgr	98	* †	Lawrenceville
Lingenfelter, Mildred Grace	LAS		* †	Lawrenceville
Link, Louis John	RCE	73¾	* †	Chicago
Linn, Alexander McFerran	AE	154	* †	Des Moines, Iowa
Linn, Arnold John	Bus	66	* †	Roberts
Linn, Marguerite Ann	LAS		* †	Roberts
Linnard, Clarence Kenneth	Ag	103	* †	Peolone
Linnard, Lawrence Gilbert	LG	65	* †	Peolone
Lino, Frank Dominic	Ed	69	* †	Chicago
Linguist, Lester Lawrence	ME		* †	Chicago
Linstrum, Esther Adelia	Chem	22	* †	Assumption
Linstrum, Vina Dorothea	LAS	79	* †	Assumption
Linthicum, Cecil Ivan	SS	70	* †	Mattoon
Linthicum, Ruth Lucile	SS	7½	* †	Mattoon
Lipe, Cordon Clyde	AC	45½	* †	Decatur
Lipe, Raymond Casper	IA	52½	* †	Chicago
Lipow, Eugene George	Arch		* †	Joliet
Lippman, Marion Isabelle	LAS		* †	Chicago
Lischer, Grace Lilyan	SS	6	* †	Kirkwood, Missouri
Liscon, William Martin	Accy	75	* †	Beardstown
Litke, Edward	ME unc (SS)	26½	* †	Cleveland, Ohio
Little, Florence Mabel	Jnl (SS)	30½	* †	Rantoul
Litton, Marie Myrtle	Bus		* †	Urbana
Litz, Leo Meredith	Jnl	58	* †	Indianapolis, Indiana
Liu, Hsi Chin	ME	32	* †	Ping Hsiang, China
Liu, Sidney I	SS	43	* †	Nanking, China
Livesay, Durward Paul	Eng	71	* †	East St. Louis
Livingston, Frank Leland	LAS		* †	Minonk
Livingston, Samuel Wilson	IA	8	* †	New Richmond, Indiana
Lloyd, Mrs. Cora	SS			Atkinson
Lloyd, Thomas King	SS	7		Champaign
Lo, Dun Hao	Ag	11	* †	Hunan, China

Loag, Robert, Jr.	CE	14	*	Evanston
Lockard, Earl Norton	LAS		*†	Chicago
Locke, Howard Cattron	Agr		*†	Ellisville
Locke, Sam Pelide	EE	117	*	Mexico, Missouri
Lockhart, Harold Benton	Agr		*†	Palestine
Lockhart, Paul H	SS	101	*	Palestine
Lockwood, Walter Raymond	LAS		*†	Chicago
Lodge, Louise Finley	LAS	60	*†	Paris
Lodge, William Finder	Eng		*†	Monticello
Loekle, Otto John, Jr.	Agr	59	*	Peru
Logan, Charles Harold	Accy	64	*†	Decatur
Logan, Francis William	SS	77½	*	Joliet
Logan, Thomas Harrison	IA		*†	Urbana
Logsdon, Amy Louise	SS	26	*	Rushville
Logsdon, Frederick Laurence	EE		*	Shammetown
Loh, Ming Sung	EE (SS)	39½	*†	Shanghai, China
Loh, Ying Tsauu	Bank (SS)	39½	*†	Canton, China
Lollar, Forrest Dale	SS	33	*	Tuscola
Loneragan, Paulissa	SS	6½	*	Clinton
Long, Charles David	Agr	108	*†	Beardstown
Long, Edward Enoch	Agr	27	*†	Wellington
Long, Edwin Earl	IEd		*†	Rantoul
Long, Frank Hersur	Jnl		*†	Chicago
Long, Gladys Nora	Ed (SS)	101	*†	Watska
Long, Glen Earl	Bus		*†	Hoopston
Long, Henry Alvertis	PreM		*†	Metropolis
Long, Mary Wilson	LG	28	*†	Metropolis
Long, Noah Glynn	Agr	102	*†	Watska
Long, Roy Clarence	EE	11½	*†	Springfield
Long, Ruth Ida, A.B., 1918	SS	145	*	Watska
Long, Wendell Burton	Bus	32	*†	Rantoul
Long, Wilbur Nelson	Accy	32	*†	Carthage
Long, Zola Pearle	LAS		*†	Champaign
Longaker, Samuel	Bus	28	*†	Oak Park
Longbons, Helen	Mus		*†	Champaign
Longfellow, Harold Russell	EE	70	*†	Anderson, Indiana
Loomis, Frances Louise	LAS	99	*†	Mattoon
Lorsch, Hans	REE	64	*†	Kansas City, Missouri
Loetutter, Paul Robertson	SS		*	Taylorville, Indiana
Lotz, Meyran Alfred	LAS	106	*†	Chicago
Lotz, Phyllis Celestine	LG		*†	Lockport
Lotz, Richard Franklin	EcEnt		*†	Lockport
Lou, Chi Lin	ME	138	*†	Changsha, China
Loucks, Paris William	IEd	77	*†	Hillsboro
Louden, Robert Hadley	Ce E (SS)	75	*†	Collinsville
Louis, Elizabeth Valentine	LAS	26	*†	Champaign
Love, Adam Wayne	Accy	36	*†	Shelbyville
Love, Frank Armen	FOM (SS)	103	*†	Champaign
Love, Harry Halime	LAS	107½	*†	Newton
Loversky, Franklin George	Bus	11	*†	Chicago
Loving, Charles Lloyd	CE		*†	Loami
Lovvorn, Joseph Edgar, Jr.	Bus	64	*†	Okeechobee, Florida
Low, Margaret Lorain	LAS	111	*†	Benniss, Tennessee
Lowe, Burton James	Bus	99	*†	Kewanee
Lowe, Edith Marion	HEAgr (SS)	66	*†	Casey
Lowe, Herbert Byron	Bus		*†	Decatur
Lowery, Paul James	Bus	37	*†	Champaign
Loves, Mary Elizabeth	Jnl	126½	*†	Chicago
Lowis, Frank Ashton	Agr	33	*†	Morrisville
Lowman, Dean Harold	Bus		*†	Farmer City
Lowrey, James Bernays	PreL	46	*	Ecclesior Springs, Missouri
Lowry, Ellsworth Everett	LAS		*	Boswell, Indiana
Lowry, John Thomas	Agr unc (SS)	7½	*	Champaign
Lubman, Harry Frederick	CE	27	*†	Chicago
Lucas, Harry McEvoy	Agr		*†	Sheridan
Lucke, Russel Stewart	CcrE	26	*†	Chicago
Lucken, Clement Orville	EE		*†	Urbana
Luckey, George Alonzo	Bank	63	*†	Farlington
Luckey, Laura Foley	HEAgr		*†	Potomac
Luckey, Robert Magill	CL	11	*†	Potomac
Ludlow, Edmund	ME		*†	Faxton
Ludwig, Leon Robertson	REE	36	*†	Kansas City, Missouri
Luebchow, Kenneth Russelle	Bus		*†	Martinton
Luedke, Robert William	LAS		*†	Mattoon
Luhe, Jack	EE		*	Greenuip
Luhnow, Lester A	SS		*	Oak Park
Luhrs, John Frederick	ME		*†	Quincy
Luckacs, Joseph Martin	Accy	20	*†	Pawnee
Luke, Waldene Francis	ChE		*†	Chicago
Lumsden, Harold A	LAS	66	*†	Urbana
Lund, Helen Dorothea	Bus	53	*†	Chicago
Lundberg, Edith May	SS		*†	Oglesby
Lundeberg, Thurston Roger	Eng		*†	Chicago
Lundeen, Edgar Emmanuel	Arch	120	*†	Bloomington

Lundgren, Arnold Alinder, B.S., 1920	CE irr		* † Rockford
Lundy, Gladys Evelyn	HEAgr	122	* † Urbana
Lurie, Harold Hiram	ChE	123½	* † Chicago
Lusted, Stephen Warren	Bus		* † Wilmette
Luthringer, Marshall Sampsell	EE		* † Petersburg
Lutyens, Leslie Wayne	Accy	96	* † Tampico
Lutz, Carl Walter	Accy	112½	* † Evansville, Indiana
Lycan, Mary Louise	LAS	69	* † Paris
Lycan, William Hiram	Chem	66	* † Vermilion
Lyddon, Clyde Oakley	Bus	31	* † Rockford
Lyerla, Ava Juanita	LAS (SS)	91½	* † Irving
Lyle, Allene	SS	131½	* † Chicago
Lyman, Ormond Ferris	Bus	60	* † Oak Park
Lyman, Ritchey Fayette	Agr	18	* † Lakewood, New Mexico
Lynch, Earl Walter	Agr (SS)	49½	* † Champaign
Lynch, John Joseph James	CE	72	* † Maywood
Lynch, Wayne Edwin	EE unc	2½	* † Tonica
Lynde, Herbert Bargis	EE	127	* † Chicago
Lynn, Ardis Lenore	Jnl	98	* † Byron
Lynn, Chester Vernon	CE	109	* † Decatur, Georgia
Lynn, Herschel Victor	SS	7½	* † Urbana
Lyon, Luther Hancock	Bus		* † Wheaton
Lyon, Stuart Wellington	ME	108½	* † Chicago
Lyons, Alice Bessie	LAS	4	* † Urbana
Lyons, Ernest Lee	AC	111½	* † Champaign
Lyons, George Wade	REE	82½	* † Chicago
Lyons, John Joseph	SS	3	* † Galesburg
Lytte, John Ebert	ME	110	* † Decatur
McAdam, J L	AC		* † Pana
McAdoo, Clarence Ewin	Accy (SS)	20½	* † Litchfield
McAdoo, Mrs. Hazel Murphy	HELAS	86½	* † Harrisburg
McAdow, Helen Elizabeth	LAS	66	* † Chicago
McAfoos, Roy Earl	AC (SS)	101½	* † Ewing
McAfoos, Wendell William	Bus		* † Whittington
McAllister, Ralph Hammond	ME (SS)	31	* † Quincy
McAlpin, Beula Holland	LAS	34	* † Marion
McAnulty, James Simpson	ChE		* † Chicago
McArthur, Moral Randall	MinE	27	* † Bicknell, Indiana
McAttee, Fay Emmett	Eng		* † Barry
McAuley, Mary Virginia	LAS (SS)	7½	* † Urbana
McBrady, Gertrude Allain	Mus		* † Evanston
McBrain, Charles Christopher	Law	33	* † Mt. Vernon
McBrian, Mary Jane	HELAS		* † Mt. Vernon
McBride, Glen Clovis	PreL	32	* † Decatur
McCaleb, Charles Albert	Jnl	69	* † Chicago Heights
McCall, Arvilla Penney	LAS	97½	* † Evanston
McCallister, Donald Clarence	AC		* † Champaign
McCaman, Raydell Jewell	HEAgr	50	* † Robinson
McCann, Thomas Edward	AC	93	* † Waukegan
McCarthy, Cleo Agnes	HEAgr		* † Pana
McCarthy, Francis Joseph	Bus		* † Chicago
McCarthy, Marion Brennan	LAS		* † Chicago
McCarthy, Raymond Humphrey	Bus		* † Chicago
McCarthy, William Francis	SS	4½	* † Sullivan
McCarty, Harold Berkeley	Bus (SS)	112	* † Riverton
McCaskill, Yolande	HELAS (SS)	72½	* † Champaign
McCaughtry, Ruth Corinne, A.B., 1912	Lib		* † Carthage, Missouri
McCauley, Doris Helen	LAS	31	* † Hoopeson
McCauley, Eleanor Lindsey	LAS	30	* † Redlands, California
McClain, Riley	Bus		* † Metcalf
McClanahan, Mrs. Bessie Bell	SS	8	* † Canyon, Texas
McClary, Earl William	Bus		* † Chicago
McClary, Nola Francis	LAS		* † La Harpe
McClellan, Robert Bruce	Agr	66½	* † Chicago
McClelland, Grace Lee	LAS		* † Champaign
McClelland, Harold Alexander	LAS	59	* † Champaign
McClelland, Marion Miller	CE	71	* † Champaign
McClelland, Milburn	Agr	42½	* † Chicago
McClelland, Orville	Bus		* † Clinton
McCluer, Paul	SS	126½	* † Urbana
McClure, Olive Jane	SS	91½	* † Gibson City
McCollum, Gordon Haig	Bus		* † Aurora
McComb, Helen Plummer	LAS	29	* † Champaign
McCombs, Vera Katherine	LAS	34	* † Ottawa
McComis, Lucile Thompson	SS	15	* † Venice
McConkey, Lysander Humphrey	Jnl (SS)	33½	* † Elmhurst
McConkey, Ruth	LAS	10	* † Farmer City
McConnell, Abram Bodine	Agr	85	* † Woodstock
McConnell, Dorothy Jane	LAS	100	* † Champaign
McConnell, Mary Caroline	LAS	70½	* † Chicago
McConnell, Robert Leaton	AC	23	* † Baylis
McCord, Mary Isabelle	LAS	69	* † Streator
McCormick, Maxine Elizabeth	LAS		* † Champaign
McCormick, Morris Dixon	Bus		* † Albany, Indiana
McCormick, Ray Elmer	Bus	29½	* † Ambia, Indiana

McCormick, Vera	LAS	35	* † Urbana
MacCorquodale, Donald William	Chem	90	* † Chicago
McCown, Charles Bruce	MinE	61	* † University City, Missouri
McCoy, Glen Archie	LAS	58	* † Centralia
McCoy, Harry Allan	LAS	28½	* † Wichita, Kansas
McCoy, Lorena M	LAS		* † Danville
McCoy, William Henry	Bus	31	* † Rockford
McCracken, Joseph Earl	ChE		* † Waverly
McCracken, Leonard James	AC		* † Greenville
McCrae, Claude Washington	ME	22	* † Chicago
McCreary, Benjamin Franklin	SS	16	* † Daysland, Canada
McCrerry, Florence Maud	LAS	39	* † Thompsonville
McCreery, Sarah Hamilton	Bus		* † Los Angeles, California
McCrorry, Aaron Frank	EE		* † Metropolis
McCue, Hilma Mabel	LAS		* † Springfield
McCulloch, Horace Young	Agr	32	* † Paris
McCulloch, Silas Allison	ME		* † Hamilton, Montana
McCulloch, William Worth	Bus		* † Pontiac
McCullough, Donald Bell	EE		* † Maywood
McCullough, Donald William	Bus	65	* † Chicago
McCullough, Dorothea Frances	LAS	44½	* † Marseilles
McCullough, James Howard, Jr.	ME	25	* † Champaign
McCullough, James Richard	PreL	29	* † Chicago
McCullough, Robert Osgood	LAS	102½	* † Champaign
McCullough, Virginia Lee	LAS		* † River Forest
McCune, Thornton Calvert	LAS	42	* † Chicago
McCurdy, Aurelia Belle	LAS	20½	* † Chicago
McCurdy, Frances Mildred	LAS		* † Champaign
McCurdy, Harry H	AC	110½	* † Champaign
McCurdy, Marjorie May	LAS		* † Chicago
McCurdy, Matthew Donald	SS	23½	* † Two Harbors, Minnesota
McCusker, Inez Jane	LAS		† Mattoon
McDavitt, Caroline	LAS	9	† Quincy
McDermott, Margaret Cecelia	Mus	49	* † Champaign
McDermott, Francis O'Neill	Acy	99	* † Crescent City
McDevitt, Harold Willard	Agr	49	* † Jacksonville
McDill, George Hamilton	Jnl		* † Bushnell
McDonald, Bernard Alexander	AC		* † Menominee, Michigan
McDonald, Donald Everett	FC unc (SS)	41	* † Aurora
McDonald, Earl George	Chem	133½	* † Chicago
McDonald, Edgar Eugene	Agr		* † Chicago
McDonald, Edward Carroll	IA (SS)	113½	* † Bloomington
McDonald, Elliott Raymond	PreL		* † Sullivan
McDonald, Harold James	Bus	44	* † Joliet
McDonald, John Francis	CE		* † Clinton, Indiana
McDonald, Mabel	HELAS		* † Lafayette, Indiana
MacDonald, Manley Elroy	SS	8½	* † Pleasantville, Pennsylvania
McDonnell, John Boniface	LAS	81	* † Champaign
McDonnell, Joseph Serene	CE		* † Chicago
McDonnell, Margaret Mary	LAS (SS)	31	* † Champaign
McDougle, Ethel Lucille	HELAS	103	* † Charleston
McDowell, Clarence Merle	ME	102	* † Cedar, Iowa
MacDowell, Francine Elynora	LAS	43	* † Chicago
McEachran, Curtis Daniel	Bus	63	* † Rockford
MacEachron, Paul Norton	SS		* † Goldfield, Iowa
McEdwards, Hugh Addison	LAS		* † Chicago
McEldowney, George Bowie	Bus		* † Chicago Heights
MacElhern, Virginia Love	LAS		* † Springfield
McElroy, George Harold	Bus	67	* † Jerseyville
McEwan, Digory William	Bus	30	* † Oak Park
McElwee, Charles Thomas, Jr.	PreL	60	* † Peoria
McEwen, Willard Lewis	ChE	35	* † DeKalb
McFadden, Belle Lorraine	SS		* † Champaign
McFall, Jean Shirley	LAS	15	* † Tremont
McFarland, Charles Lee	SS	136½	* † West Chicago
McFarland, Philip Eugene	Bus	32	* † Chicago
McGaughey, George Samuel	Law		* † Staunton
McGeath, John Floyd	AC	28½	* † Elkhart, Indiana
McGee, Alice Eva	LAS	62	* † East St. Louis
McGee, John Paul	Ed (SS)	100	* † Marion Center, Pennsylvania
McGill, Elizabeth Lorene	HELAS		* † Watseka
MacGillivray, Calvin Ray	SS		* † Somerville, Massachusetts
McGinnis, Cecilia Marie	SS	30	* † Kankakee
McGinnis, Dorothy	LAS		* † Champaign
McGinnis, Gordon Fiske	SS	130½	* † Aurora
McGinnis, Ruth	Ed	60½	* † Aurora
McGlashon, Don Walker	CE	32	* † Kirksville, Missouri
McGowan, William Ignatius	Chem	60	* † Manhattan
McGrath, Catherine Sederlia	LAS	58	* † Springfield
McGrath, Irving Thomas	ME	67	* † Chicago
McGrath, James Miles, A.B., 1914	SS		* † Springfield
McGrath, Louise Elizabeth	LAS		* † Morris
McGraw, Leonard Albert	Bus		* † Chicago
McGraw, Margaret Mary	LAS (SS)	100½	* † Champaign
McGregor, James Rollin	Bus	68	* † Oskaloosa, Iowa

MacGregor, Marian Craig, A.B., 1920	HELAS irr		*	Rockford
McGuire, Daniel Simmons	Bus	27	*	Chicago
McGuire, Emily Louise	HEAgr unc		* †	Makanda
McGuire, Letha Pearl	SS	8	*	Thayer, Iowa
McHose, Joseph Chauncy	Bus	61	* †	Griggsville
McHugh, Joseph Weir	CerE	62	* †	Fort Collins, Colorado
McHugh, Patrick Bennett	LAS unc		* †	Louisville, Kentucky
McIlhenny, Collin Wilfred	Bus		* †	Lidleton
McIlwain, Edgar Watson	SS	9	*	Zionsville, Indiana
McIlwain, Leta	Ed	98	* †	Champaign
McIlwaine, Robert Louis	EE	81½	* †	Oak Park
McIlwain, Wallace Wesley	ME	35	* †	Highland Park
McInnes, Jesse Samuel	EE (SS)	35	* †	Sidney
McInnes, John William	Agr	16	* †	Sidney
McInnes, Sterling Joseph	Agr	78	* †	Sidney
McIntire, Alta Maud	SS	18½	*	Quincy
McIntire, Charles Edwin	Bus		* †	St. Louis, Missouri
McIntire, Charles Leland	SS	8	*	Indianapolis, Indiana
McIntyre, Margaret Thompson	LAS	97	* †	St. Louis, Missouri
MacKay, Jean Kenneth	Jnl		*	Bloomington
McKee, Harley James	Arch		* †	Champaign
McKee, William Henry	EE		* †	Champaign
McKelvey, Harold Birch	LAS (SS)	77½	*	Moline
McKenna, Arthur Anthony	Bus	26	* †	Chicago
McKenna, Philip Joseph, Jr.	SS	59½	*	Chicago
MacKenzie, Josephine Corr	HEAgr	56½	*	Cleveland, Ohio
McKeown, Marjorie Evelyn	LAS	31	* †	Stronghurst
McKinley, Florence Emma	LAS	60	* †	Forsyth
McKinley, Lura	SS	131	*	Indianapolis, Indiana
McKinney, William Harold	ME		* †	Clinton
McKinnie, William Palmer	ME		* †	Chicago
MacKinnon, Russell Harrison	EE	35½	* †	Amboy
McKittrick, James Esten	Agr	66	* †	Pana
McKnight, Clark Wilson	Bank	112½	*	Mason City
McKnight, Dana Ingram	CE	31	* †	Aurora
McKnight, Dorothy Virginia	LAS	69	* †	Collinsville
McKnight, Meredith Elmer	Bus		* †	Fowler, Indiana
McKown, Eugene Edwin	Bus		* †	Davenport, Iowa
McKown, Willa Pauline	LAS	97¾	* †	Monica
McLane, Dorothy Cleland	HELAS		* †	Chicago
McLarty, Marvin George	AC	2¾	* †	Champaign
McLaughlin, Eldon Le Roy	PreL		* †	Elkhart, Indiana
McLaughlin, Jerome D	Bus		* †	Kankakee
McLaughlin, Wayne Chamberlain	Agr		* †	Griggsville
McLean, Anita Claire	Bus		* †	Champaign
McLean, Helen Frances	LAS	17	* †	Champaign
McLellan, Mrs. Elleine Harrison	Lib unc (SS)	15	* †	Pine Bluff, Arkansas
MacLennan, George John	Accy	63	* †	Springfield
McLeod, Marion Christene	LAS	97	* †	Madison, South Dakota
MacLeod, Sidney James	PreM	54	* †	Chicago
McManus, Fred James	LAS		* †	Chicago
McManus, William Albert	Agr	60½	* †	Chicago
McMaster, Archie James	Eph	66	* †	Peoria
McMath, Alvin Kenneth	FC		* †	Pinckneyville
McMeans, Mary	Arch	34	*	Indianapolis, Indiana
McMillan, Carol E	Ed unc		*	Urbana
McMillan, Foster Lamont	PreM (SS)	37½	* †	Marissa
McMillan, Lonnie Sexton	SS	6½	*	Prescott, Arkansas
McMillan, Margaret	LAS	38	* †	Roseville
McMillan, Paul Edgar	LG	70	* †	Sparta
McMillan, Ruth Belle	LAS	90	* †	Stronghurst
McMillan, Wylie Milfred	EE	117	* †	Sparta
MacMillen, James Willard	MinE	71	* †	Grayslake
McMullen, Charles	SS	8½	*	Washington, Indiana
McMunn, Richard Lacey	Agr	102	* †	Neoga
McMurray, Russell Edward	CER		* †	Peoria
McNair, Francis Gary	CerE	54½	* †	Batavia
McNair, Norman Hamilton	EE (SS)		* †	Louisville, Kentucky
McNair, Robert Hugh	Chem		* †	Winnebago
McNally, Dorothy Jane	LAS		* †	Champaign
McNamara, Harry Theodore	Bus		* †	Prophetstown
McNaught, Maurice Landon	Bus		* †	Lowder
McNaughton, William Caswell	ME		* †	Connersville, Indiana
McNeal, Roy Wilson	SS	¼	* †	Prairie Grove, Arkansas
McNeely, Carl Orendoff	FC		* †	Parkersburg, West Virginia
McNeill, Ada Nora	LAS	30	* †	Chicago
McNeill, Jordan Reese	Agr	107	* †	Spur, Texas
McNeill, Libbie Marguerite	LAS		* †	Champaign
McNurlen, Lisle Frank	SS	8½	* †	Byron
MacPherson, William Mathew	REE		* †	Chicago
McRae, Malcolm William	EE	24½	* †	Chicago
McTaggart, Clarence Glenn	Arch	120	* †	Pana
McVey, Dora Blanche	Ed	60	* †	Pocohontas
McVicker, Edith Eleanor	HELAS		* †	Taylorville
MacWherter, John Evans	SS	8¾		Decatur

MacWherter, William Kile	SS	6 $\frac{3}{4}$	Decatur
McWilliams, Harvey Lee	SS	7 $\frac{3}{4}$	Kirkville, Missouri
Maas, Carroll Jacob	IA	36	* † Equality
Maber, Harold John	Bus		* † Bicknell, Indiana
Maccona, John Dominic	EE		* † Toluca
Macchamer, Hobart E.	AE	31	* † Kansas City, Kansas
Mach, George Robert, B.S., 1921	SS		* † Brookfield
Mack, James Franklin	LAS	36	* † Bicknell, Indiana
Mackay, Donald	Agr	35	* † Urbana
Mackay, Isabel	HELAS	26	* † Mt. Carroll
Mackay, William John	CE		* † Mt. Carroll
Macke, Marshall Comer	ChE	25 $\frac{1}{2}$	* † Chicago Heights
Macleod, Arthur Rutledge	Bus		* † Oak Park
Maclin, Zephora Elizabeth	SS	7 $\frac{1}{2}$	* † Eldorado
Madden, Alice Llauretta	Bus		* † Champaign
Madden, William Dillion James	SS	35	* † Cincinnati, Ohio
Madison, Francis William	CE	28	* † Kankakee
Madison, Raymond Samuel	Accy (SS)	20 $\frac{1}{2}$	* † Kankakee
Madsen, Harold Michael	IA		* † Chicago
Madsen, Kai Moritz Ore	Arch	46	* † Milwaukee, Wisconsin
Maggee, Muriel A.	Ed	60	* † Watseka
Magid, Hyman Singer	CerE	106	* † Chicago
Magner, Walter Joseph	Bus unc		* † Chicago
Magnussen, Henry George	IA	46 $\frac{1}{2}$	* † Chicago
Magnusson, Leonard Gilbert	CE	63	* † Chicago
Magor, Robert Browning	EE		* † La Grange
Maguire, Mary Josephine	SS	90 $\frac{1}{2}$	* † Alton
Maguire, Ramon Francis	Bus		* † Urbana
Maguolo, Louis Dewey	SS	7 $\frac{1}{2}$	* † Edwardsville
Mahmood, Syed	MinE (SS)	161	* † Bankipore, India
Mahoney, Edmund Patrick	Eng	32 $\frac{1}{2}$	* † Chicago
Mahoney, Lewis Holmes	Arch	66	* † Moline
Mai, Florence	LAS	94 $\frac{1}{2}$	* † Chicago
Maier, Vincent Paul	Bus		* † Chicago
Main, Carson Estelle	Arch	8	* † Nebo
Main, Owen James	Bus	46	* † Casey
Mair, George Nathan	CE	103 $\frac{1}{2}$	* † Chicago
Majeski, Arthur Edwin	IA	82	* † Chicago
Major, Charles Fredrick	AC	32	* † Champaign
Major, Mary Katherine	Ed	91	* † Hillsboro
Mallers, Charles Eaton	LAS	26 $\frac{1}{4}$	* † Chicago
Mallers, Edward Benjamin	LAS (SS)	123 $\frac{1}{3}$	* † Chicago
Mallers, John Bernard, III	SS	172 $\frac{1}{2}$	* † Champaign
Malina, Abraham Lincoln	Bus		* † Chicago
Mallette, Malcolm Carroll	LAS		* † Grayville
Mallory, David Milton	Agr		* † Sreator
Malone, George Bowden	LAS		* † Maroa
Maloney, Mary Elizabeth	Bus		* † Decatur
Maloney, William Wiley	Bus	32	* † Chicago
Malsbury, Cecile Ione	HELAS	69	* † Virden
Malsbury, Marshall Raymond, B.S., 1920	SS		* † Virden
Malter, Jerome Mitchell	AE		* † Chicago
Maltz, Harold E.	CL		* † Chicago
Manaugh, Hursel Conway	SS	7	* † Hanover, Indiana
Manaugh, John Laverne	Accy		* † Atwood
Mandell, Louis Darrell, Jr.	AE		* † Chicago
Mangan, Margaret Thorne	LAS		* † Aurora
Manion, Iva	SS	7 $\frac{1}{2}$	* † Newport, Indiana
Manion, Peter Patrick	MinE	18	* † St. Louis, Missouri
Manley, Florence Virginia	LAS	60 $\frac{3}{4}$	* † Evanston
Mann, Earl Maurice	Bus	32	* † Shumway
Mann, John Ellis	Bus	32 $\frac{1}{2}$	* † Metropolis
Mann, Marian	Bus		* † Park Ridge
Mann, Maurice Edward	Bank	100	* † Elgin
Mann, Theophilus Marcellus	LAS	36	* † Alton
Mann, William Allen	EE	96	* † Kansas City, Missouri
Mann, Wilma Minna	HELAS	60	* † St. Louis, Missouri
Mannen, Everett Merle	Bus		* † Waltonville
Manning, Gernon Sargeant	LAS	26 $\frac{1}{2}$	* † Evanston
Manning, Horace Merrill	LAS		* † Evanston
Manning, Paul J.	AC		* † Ogden
Manning, Roland Vincent	Bus		* † Urbana
Mannon, Mildred	LAS	98	* † Aledo
Manspile, Addie Mary	LAS unc		* † Sidney
Manuel, Leonard Edward	Eng	62	* † Des Plaines
Manzano, Miguel Antonio	LAS (SS)	39	* † Mayaguez, Porto Rico
Marbold, Charlotte Riche	LAS	82	* † Greenvicw
Margolis, Ralph	AC	64	* † Chicago
Marion, Thelma Elizabeth	LAS	65	* † Louisiana, Missouri
Marioth, Faustino L.	AC		* † Toluca
Mark, Benjamin Edwin	Bus		* † Chicago
Markert, Frederick Schaefer	CerE	76	* † East St. Louis
Markey, Ephraim Amos	SS	6 $\frac{1}{4}$	* † Warrensburg, Missouri
Markland, Charles E.	ME unc		* † Champaign
Markle, D Lafal	CE	36	* † Evanston

Markman, Paul	Jnl		* † Benton
Marks, Armand Morton	Bus		* † Fort Smith, Arkansas
Markwell, Hope Geraldine	SS	5	* † Stonington
Marlaire, Sylvester Jack	Bus		* † Kankakee
Marlatt, Don William	Agr		* † Milford
Marlowe, Katharine	HELAS	57	* † Waukegan
Maroe, Luella May	SS	105½	* † Rushville
Marquardt, Elizabeth	LAS		* † Urbana
Marquardt, George	LAS		* † Oak Park
Marquardt, John Walter	EE (SS)	110½	* † Urbana
Marquess, Gale Chester	PreL		* † Corington, Indiana
Marr, Hazel Elizabeth	LAS	31	* † Oak Park
Marr, Richard Searl	Agr	99	* † Oak Park
Marrs, Mildred Cathryn	HELAS		* † Chicago
Marsh, Mary Elizabeth	Bus	30	* † Evansville, Indiana
Marsh, Robert Lockwood	Bus		* † Evansville, Indiana
Marshall, Bernice Louise	LAS	33	* † Serena
Marshall, Grace Bernice, A.B., 1921	Lit	13	* † Jacksonville
Marshall, James Grant	LG		* † Lake Forest
Marshall, Lowell Vincent Scheidecker	Agr	98	* † Serena
Marshall, Robert Philip	SS	12½	* † Vermont
Marshall, Thomas	Bus	92	* † Bernardstown, Massachusetts
Marshall, Thomas Holland, A.B., 1921	Lous	55	* † Urbana
Marston, Oliver Talmage	SS	5½	* † Barry
Martens, Margaret Louise, A.B., 1915	SS	143	* † Anchor
Martin, Albert Thaddeus	Agr	103	* † Neuton
Martin, Benjamin Franklin	LAS		* † Odin
Martin, Cassie La Dean	LAS		* † Perrysville, Indiana
Martin, Cecil Lawrence	PreM	32	* † Eldorado
Martin, Charles Leslie	Arch	103	* † Harrisburg
Martin, Clare Blakeslee	Jnl		* † Chicago
Martin, Duane Leslie	Lous		* † Quincy
Martin, Edmund Robert	ChE	25½	* † Chicago
Martin, Fay	LAS	43½	* † Benton
Martin, Fay	PreM		* † Gary, Indiana
Martin, Frances Elizabeth	LAS		* † Urbana
Martin, Harold Easton	RA	32	* † La Porte, Indiana
Martin, Hollie Ehudy	AC		* † Perrysville, Indiana
Martin, John Frederick	SS		* † Alexandretta, Syria
Martin, Leroy Thomas	SS	6	* † Sullivan
Martin, Mabel Ann	LAS	31	* † Ritterside
Martin, Marion Alexander	PreM		* † Cairo
Martin, Olive Eden	LAS (SS)	39	* † Sullivan
Martin, Renick James	Bus		* † Bloomington
Martin, Russell Read	Bank (SS)	97½	* † East St. Louis
Martin, Ruth Lucille	LAS	123	* † Milford
Martinson, Ernest Leslie	CE	73	* † Paxton
Martone, John	AC	13	* † South Barre, Massachusetts
Martorell, Luis de	ME (SS)	25½	* † Coruna, Spain
Marty, Katherine Verena	LAS	33	* † Wayneville
Marvel, Gertrude Mary	HELAS	32	* † Chicago
Marx, Henry Joseph Kuhs	IA	132	* † St. Louis, Missouri
Mazullo, Sam Charles	AC (SS)	21½	* † Rochester, New York
Mascha, Madeline K	LAS	32	* † Chicago
Mashek, Edward Bernard Joseph	Eng	35	* † Collinsville
Mason, Charles Ralph	Bus		* † Rossville
Mason, Clarence English	ME (SS)	63	* † Buda
Mason, Edward William	LAS	61	* † Urbana
Mason, George Clarence	Chem		* † Peoria
Mason, Glenn Eldridge	Agr	32½	* † Rushville
Mason, Helen Elizabeth	Mus	27	* † Arthur
Mason, John Cyrus	PreM	49½	* † Rossville
Mathew, Paul Jacob	Bus	33	* † Oskaloosa, Iowa
Mathews, Della Emerilla	LAS	33	* † Bement
Mathews, John Mabry, A.B. 1906, Ph.D. 1909	Lous unc	16	* † Baltimore, Maryland
Mathias, Albert Ruggles	Eng	43	* † Chicago
Mathias, Henry Ruggles	ChE	107	* † Chicago
Mathias, Alvin Leroy	LAS (SS)	100½	* † Bloomfield
Mathias, Archie Eugene	Agr		* † Vienna
Mathias, Doris Margaret	LAS	58½	* † Chicago
Matkocsk, Arpad Andrew	Accy (SS)	45½	* † Westville
Matlock, Robert Lavern	Agr	66	* † Yorkville
Matsuno, Alfred Masashi	RCE	37	* † Miyagiken, Japan
Matthews, Bernita Jewell	LAS	64	* † Canton
Matthews, Camilla Belle	Bus		* † Wabash, Indiana
Matthews, Clifford James	LG	108½	* † Van Wert, Ohio
Mattox, Elmo Fleen	Accy (SS)	55½	* † Ames, Iowa
Mattson, George Waldemar	Eng	71	* † Ishpeming, Michigan
Mattson, Raymond Adolph	Arch	71	* † Chicago
Mauer, John William	AC	15	* † Batavia
Maulfair, Seltzer Lambert	ChE		* † Champaign
Mautz, Rose Irene	LAS	69	* † Shelbyville
Maxey, Benjamin Collins	SS	6½	* † Shattuc
Maxey, James Roy, A.B., 1916	Ed irr (SS)		

Maxfield, Frank Hiram	Agr	67	* † Tampico
Maxfield, John Asbury	PreM	55½	* † Hettick
Maxwell, Edward Creighton	Bus	51½	* † Lincoln
Maxwell, Florence Lelia	SS	7	* † Arcola
Maxwell, John Thomas	Agr		* † Urbana
Maxwell, Martha Adelle	LAS	102	* † Washington, Iowa
Maxwell, Rolland Edward	Agr	67	* † Urbana
May, Harry Stuart	Bus	5	* † Oak Park
May, Olen Edgar	AE	121½	* † Newton
May, Truman Ward	SHAE	52½	* † Windsor
Mayall, Edith Marie	LAS	61½	* † Clinton
Mayer, Norman Clark	IA		* † Mt. Pulaski
Mayer, Sydney Raphael	CE	30	* † Chicago
Mayes, Harris Irving	SS	6½	* † Dailon City
Mayes, Roy Edward	Accy	53	* † Champaign
Mayfield, Emma Elizabeth	Ed	77	* † Terre Haute, Indiana
Mayfield, Mary	HEAgr		* † Le Roy
Mayhew, Harry Amos	LAS (SS)	51	* † Evanston
Mayne, Joseph Ford	CE	93	* † Little Rock, Arkansas
Masanek, Laura Josephine	Accy		* † Alma
Mead, Telfer Lemar	SS		* † Pekin, Indiana
Meade, Claude Vincent	Eng (SS)	41½	* † Virginia
Meade, Harriet Mary	LAS	21	* † Pinckneyville
Meade, Joe Tracy	SS	5½	* † Redfield, Iowa
Meadows, Gertrude Burnett	HELAS		* † Villa Grove
Meals, Charles Franklin	Bus	70	* † Peoria
Mearns, Jack Green	PreM	102	* † Kalamazoo, Michigan
Meder, Everett Stanley	AE	143	* † Joliet
Meese, Loren Everest	Jnl	24	* † Atwood
Meeks, Clark Champlain	EE		* † Pontiac
Meents, Wendell Evert	CL unc	27	* † Ashland
Mefford, Joseph Isaac	Agr	63	* † Robinson
Megel, George Dewey	Bus	101	* † St. Louis, Missouri
Mehock, Harry	LAS		* † Streator
Mehr, George John	IA		* † Auburn
Meier, Henry John	ME	125	* † Crete
Meier, Mary Catharine	HEAgr	71	* † Urbana
Meisenbach, Hilda Kathryn	SS	15½	* † Pearl
Meissner, Carl Hugo	SS	7½	* † Toledo, Ohio
Melanton, Robert Harold	Bus		* † Evanston
Melchior, Clarence John	Law		* † Chicago
Melin, George Cornelius	Bus	65	* † Galeburg
Melms, Donald Fred	Bus	64	* † Hampshire
Melnick, Perry Julius	PreM		* † Chicago
Melton, Presley Warren	Ed (SS)	110½	* † English, Indiana
Menchan, William McKinley	PreL	54½	* † Philadelphia, Pennsylvania
Mendelovitz, Sidney William	PreL	24	* † Chicago
Mendenhall, Arthur J	Bus		* † Washington, Indiana
Mendenhall, Richard Abram	Bus	103½	* † Evanston
Mendius, Caroline Louise	LAS	30	* † Chicago
Mengden, Walter Henry	Eng	45½	* † Chicago
Menzemer, Lisle William	CL	29	* † Galena
Mercer, Clifford Chester	AC	60½	* † Vermont
Mercer, Dorothy Florence	LAS unc		* † Gibson City
Mercer, Frederick Olen	Law	23	* † Vermont
Mercer, George Eugene	Agr		* † Wyanet
Mercer, Harold	Bus (SS)	20	* † Morristown, Indiana
Merchant, Marie Sibylla	Bus	32	* † Waukegan
Meredith, Calvin Mateer	Agr	59	* † Byron
Meriwether, Carol Ellen	LAS	56	* † Blandensville
Merkl, Walter Emil	Bus	16	* † Chicago
Merriam, Donald S	SS		* † Cedar Rapids, Iowa
Merriam, Doris Exilda	LAS	31	* † Blackinton, Massachusetts
Merriam, Theodore Howard	Agr (SS)	115½	* † La Grange
Merrill, Charles Clifford	SS	9½	* † Urbana
Merrill, Maude Edith	LAS		* † New Bedford
Merrill, Robert Arthur	Eng	26	* † Maywood
Merrills, Wayne	CL	27	* † Bellville
Merritt, Don Carl	LG		* † Atwood
Merritt, James Francis	Accy	59	* † Berwyn
Merryweather, Paul Charles	EA	53	* † Anderson, Indiana
Mersbach, Robert Herman	Bus	100	* † Chicago
Mersereau, Anne Valorie	Bus	32	* † La Grange
Mershan, Donald Glenn	LAS		* † Mt. Carroll
Mershimer, Ruth Thompson	Mus	21	* † Urbana
Mersky, Grace Charlotte	LAS	27	* † Western Springs
Mertz, Kendall Louis	CE		* † Chicago
Mera, Helen Louise	LAS	60	* † Salem
Mera, Virginia Charlotte	HEAgr unc		* † Omaha, Nebraska
Mesler, Helen Gertrude	LAS	23½	* † Little Rock, Arkansas
Mesloh, Margaret	LAS	20	* † St. Louis, Missouri
Messing, Frank William	Bus	54	* † Indianapolis, Indiana
Messinger, Earle Philip	SS	143½	* † New Canaan, Connecticut
Messinger, Lester Hubert	ME (SS)	118	* † New Canaan, Connecticut
Metcalf, Owen Ellsworth	AC	31	* † Gurnee

Metter, Harry Louis	SS	7½	Columbia
Metz, Helen Elizabeth	Jnl	26	* † Sioux City, Iowa
Metz, Velma Marie	SS	72½	* † Champaign
Metzel, Charles Himes	LAS		* † Urbana
Metzger, Freda Elizabeth	Ed	101	* † Tower Hill
Meyer, Alfred Herman	LAS	56½	* † Rockford
Meyer, Bernard	Bus	6½	* † Chicago
Meyer, Charles August	Bus		* † Havana
Meyer, Claire Victoria	HELAS	51	* † St. Louis, Missouri
Meyer, Clarence Herman	Bus	100½	* † Quincy
Meyer, Frank Louis	ME	38	* † Peoria
Meyer, Frederick Radeke	CerE		* † Kankakee
Meyer, Frederick Walter	Law		* † Lexington
Meyer, George	Bus	98	* † Chicago
Meyer, George William	Bus	101	* † St. Louis, Missouri
Meyer, Helen Florence	HELAS	121	* † St. Louis, Missouri
Meyer, Henry Edward	Bus	60	* † Chicago
Meyer, James Harold	Chem (SS)	82	* † Louisville, Kentucky
Meyer, Marjorie	Bus	32	* † Milford
Meyer, Roy Bicknell	Acce	65	* † Chicago
Meyer, Roy Edward	ME	106½	* † Peoria
Meyer, Ruth Matilda	LAS	53	* † Havana
Meyer, Sophia Dorothy	HELAS	26	* † Milford
Meyer, Walter Martin	Agr unc	64	* † Tamalco
Meyer, Wilbur H	Agr	118	* † Beardstown
Meyer, William Phillipsen	Agr	30	* † Tamalco
Meyers, Ben	PreL	2	* † Chicago
Meyers, George Murphy	Agr		* † Belvidere
Meyers, Joseph Ormond	Bus	33½	* † Henry
Meyers, Joseph Wade	PreL		* † Scioto Mills
Mican, George	ME	42	* † Chicago
Michael, Frank Lester	CerE	72	* † Peoria
Michael, Harold O'Neal	Bus		* † Champaign
Michael, Harry Adolph	AE		* † Murphysboro
Michael, Lionel Bertram	Bus		* † Champaign
Michael, Oscar James	PreM		* † Muncie
Michael, Viola M	LAS (SS)	70	* † Urbana
Michael, William Conrad	EE	70	* † Elmhurst
Michaels, Marion	LAS	50	* † Chicago
Michalek, John Clarke	Chem	101½	* † Chicago Heights
Michalek, Louise Antoinette	LAS		* † Chicago
Michelman, Ruth Edith	Mus Ed	102	* † Quincy
Michener, Percy	CE		* † Decatur
Michot, Louis Ozanne	EE	34	* † Louisville, Kentucky
Mickelson, Percy Elmer	SS	8	* † Eagle Grove, Iowa
Middleton, Alice	HELAS	33	* † Chicago Heights
Middleton, Margaret	LAS	65	* † LeRoy
Midkirk, Jewell Reuben	Bus	104	* † Belvidere
Mieher, David	Agr		* † Nilwood
Mieher, Edward Christopher, Jr.	Agr	33	* † Nilwood
Mielman, Lewis	SS		* † Urbana
Miers, Clayton Thomas	Arch	35	* † Decatur
Mikesell, Helen Beatrice	LAS	65	* † Fort Wayne, Indiana
Milbrandt, Della Myrtle	LAS		* † Chicago
Miles, James Rufus	Agr (SS)	66	* † Urbana
Miles, Leon Rolfe	SHAE	98	* † Walnut
Miles, Lois Catherine	HEAgr	36½	* † Walnut
Miles, Luther Fiske	SS	50½	* † Urbana
Miles, Phyllis Mary Bruce	LAS (SS)	72	* † Urbana
Miles, Richard George	CerE		* † New Orleans, Louisiana
Miles, Russell Harrison	Jnl	36	* † Michigan City, Indiana
Milgram, Sara Elinore	LAS		* † Gary, Indiana
Millar, Edith May	HEAgr	30	* † Urbana
Millar, Ethel Key, A.B., 1917	Lib		* † Little Rock, Arkansas
Millar, Julian Zimmerman	EE	106	* † Mattoon
Millar, Melvin Oscar	SS	69½	* † Urbana
Millard, Laurance Oscar	Eng	41	* † Reed City, Michigan
Millen, John McKaskell	SS		* † Santa Ana, California
Miller, Albert Emil	LAS		* † Oak Park
Miller, Andrew Kley	LAS	105	* † Quincy
Miller, Anne Marion	LAS	44	* † Chicago
Miller, Audra Mae	LAS	53	* † West Unity, Ohio
Miller, Audrey Gazelle	Mus		* † Kansas City, Missouri
Miller, Bertie Ethel	LAS	84½	* † Urbana
Miller, Calvin Arthur	ChE		* † Springfield, Missouri
Miller, Carl George	Bus	30	* † Staunton
Miller, Carl John	Ed	65½	* † Danville
Miller, Carl Robeson	LAS	30	* † Decatur
Miller, Carmi Edward	EE (SS)	36	* † Champaign
Miller, Chalmers Epling	ME	78	* † Joliet
Miller, Charles Erwin	IA	14	* † Carrier Mills
Miller, Cora Kathryn	LAS	66	* † Villa Grove
Miller, Dain Logan	AC		* † Clinton, Indiana
Miller, Del Gratia	LAS	60	* † Chicago
Miller, Donald Phares	FC	46	* † Wayne, Nebraska

Miller, Dorothy Ashton	Ed	66	* †	Ironwood, Michigan
Miller, Edna L	HEAgr unc		* †	Indianola
Miller, Esther Linnea	SHHEEd	103½	* †	Rockford
Miller, Frank Arthur, Jr.	Bus	34	* †	Chicago
Miller, Fred Arthur	MinE		* †	Herrin
Miller, George Ludwick	IA	91½	* †	Wilkinsburg, Pennsylvania
Miller, Harold Raymond	Bus	32	* †	Dayton, Ohio
Miller, Helen Catherine	Bus	104	* †	Chicago
Miller, Isadore	Bus	29	* †	Shelbyville, Indiana
Miller, John Wallace	CE		* †	Chicago
Miller, Joseph Fredrick	ME	72	* †	Chicago
Miller, Leslie Edward	Bus	30	* †	Champaign
Miller, Lillian Dolores	LAS	66	* †	Toledo
Miller, Lloyd Kenneth	Bus	31	* †	Ellsworth
Miller, Lucia Fender	LAS	63	* †	Sterling
Miller, Marlin	SS	14		South Bend, Indiana
Miller, Mary Hazel	LAS (SS)	15½	* †	Indianola
Miller, Mary Noreene	LAS	120	* †	Lebanon, Indiana
Miller, Maud Mareece	LAS	10	* †	Clinton
Miller, Mildred	SS	3		Pontiac
Miller, Mildred Eleanor	LAS	33	* †	Galva
Miller, Millage Clinton	LAS	34	* †	Enfield
Miller, Norman Wells	Bus		* †	Chicago
Miller, Perl Hobart	SS	7		Henning
Miller, Philip Louis	LAS (SS)	96½	* †	West Point
Miller, Ralph Walter	Chem	83¾	* †	Chicago
Miller, Mrs. Robert Barclay	SS	3½		Champaign
Miller, Roy Andrew	AC	31	* †	Urbana
Miller, Victor Cornelius	CL		* †	Martinsville
Miller, Walton Benton	Accy	3	* †	Cascoy
Miller, William Henry	IA		* †	Pontiac
Miller, William John	Accy (SS)	68	* †	Canton
Milles, George	PreM (SS)	73	* †	Chicago
Millhouse, Louise Elizabeth	HELAS	18	* †	Galena
Milligan, David Austin	Agr	69	* †	Shelbyville
Milligan, Robert Edward	ChE (SS)	159¾	* †	Denver, Colorado
Milliken, Margaret Mildred	HELAS	64	* †	Walnut
Milliken, Vincent Dewey	ME	107	* †	Chicago
Mills, Abe	Agr	116½	* †	Chicago
Mills, Fay Templeton	Bus		* †	Chicago
Mills, Gail A	Accy	79	* †	Mooresville, Indiana
Mills, Gladys Emma	HELAS	19	* †	McNabb
Mills, Mrs. Helen Taylor	SHHEEd	86	* †	Effingham
Mills, Robert Rourke	CE	110	* †	Washington, D. C.
Mills, Victor Churchill	LAS (SS)	102	* †	Warsaw
Milner, Reid Thompson	ChE	81	* †	Evanson
Mincher, John Morrison	SS	7		Middletown, Ohio
Mine, Yoshijiro, A.B., 1918, M.S., 1922	SS			Monkden, China
Miners, Merle Verne Thomas	ME (SS)	116½	* †	Rockford
Minier, John Philip	PreL	29	* †	Benton
Minnick, Leone Marie	LAS	79	* †	Dubuque, Iowa
Missman, Leva Elizabeth	LAS	101	* †	Dixon
Mitchell, Albert George	LAS	27	* †	St. Louis, Missouri
Mitchell, Beulah	LAS	95	* †	Viriden
Mitchell, Claudius Elius, Jr.	Ed (SS)	65	* †	Effingham
Mitchell, Eric Herman	IA	72	* †	Urbana
Mitchell, Ethel Marie	LAS	13	* †	Roseville
Mitchell, Eula Mary	Bus unc	24	* †	Champaign
Mitchell, Georgia Rae	LAS		* †	Chicago
Mitchell, Howard Arthur	Bus	35	* †	Viriden
Mitchell, Mamie Lillian	LAS	72½	* †	Danville
Mitchell, Marvin Knight	LAS		* †	Chicago
Mitchell, Metta May	LAS	101	* †	Lake Forest
Mitchell, Orvall Oran	Agr	70	* †	Newton
Mitchell, Paul Martin	Law		* †	Wheaton
Mitchell, Wallace Archie	Bus	32	* †	Sauvemin
Mitchell, Wilbur Arthur Emmons	CL	30	* †	Wheaton
Mitchem, John McCool	CL		* †	Booneville, Indiana
Mittelbush, Edwin Henry	Arch	67	* †	Davenport, Iowa
Mitterwallner, Merwin Hurst	AC		* †	Denver, Colorado
Mittler, George William	Bus	26	* †	Chicago
Moberly, Benjamin Leeds	Jnl		* †	Windsor
Mochon, Lloyd Oliver	IA	62	* †	Lead, South Dakota
Modler, Otto Godlove	SS	8		Minneapolis, Minnesota
Moehlenhof, George John	Agr	35	* †	Hanna City
Moen, Blanche Elvina, B.A., 1916	Lib		* †	Culbertson, Montana
Moffet, Everett	Bank	100	* †	Springfield
Moffett, William Theodore	EE	113	* †	Saint Paul, Minnesota
Moffett, Donavan Clifford	SS	7½		Greencastle, Indiana
Moffett, Edna Vancile	LAS	64	* †	Modesto
Moffett, John Franklin	Agr	94½	* †	Ashmore
Mogler, Walter Rudolph	AE	118	* †	Rock Island
Mohan, Edgar Herbert, A.B., 1922	SS	138		Chicago
Mohlenhoff, Arlie Chester	LAS	20½	* †	Mattoon
Mohr, Albert William Terry	SS	129		Chicago

Mohr, Louis Edward	CE	107	* † Chicago
Mojonnier, Harry Grindley	Bus		* † Oak Park
Moll, Eugene Sherlock	Bus		* † Chicago
Moller, Robert Arthur	IA (SS)	73	* † East St. Louis
Mollet, Barbara Arlymesia	Bus		* † Champaign
Mollman, Elmer Henry	ME	101	* † East St. Louis
Mollman, Lillbert Arthur	EE	40	* † Millstadt
Molohon, Frank Lambert	EE	98	* † Divernon
Molohon, Mrs. Mary Southard	SS	7	* † Springfield
Molz, Cleopha Helen	CT	63	* † Murphysboro
Monahan, August Robert	LAS	16½	* † Chicago
Monahan, Mary Helen	LAS	62	* † Kansas City, Missouri
Mong, Kwang Chao	SS	33	* † Kwei Chow, China
Mong, Wilbur Stanton	LAS	68	* † Franklin Grove
Monier, John Laurence	Bus	6	* † Champaign
Monk, Howard Homer	Bus		* † Urbana
Monk, Ralph Martin	CL	32	* † Urbana
Monohan, Irma Naomi, B.S., 1920	SS	135½	* † Urbana
Monro, Hugh Lathan	FC		* † Fort Smith, Arkansas
Monsson, Charles Douglas	ChE		* † Chicago
Monsson, William Henry	ChE	120	* † Chicago
Montague, Paul Montovitz	RT		* † Chicago
Montelius, Charles H	Bus		* † Piper City
Montgomery, John Waldo	LAS	31	* † Maywood
Montgomery, Lydia Irene	SS	8	* † Evansville, Wisconsin
Montgomery, Robert Harold	AC	8	* † Clinton
Monti, Don	EE	69	* † West Frankfort
Montra, Manindra Nath	MinE		* † Calcutta, India
Montroy, Daniel George	Bus	32	* † Chester
Moody, Floyd Cowley	LAS unc		* † Port Byron
Moody, Paul Andrew	ME	143½	* † Elgin
Mooney, Mrs. Irvine Grenville	Lib unc		* † Dublin, Ireland
Moor, Hubert Calvin	SHAE	98	* † Indianapolis, Indiana
Moore, Alfred Joseph, Jr.	Agr		* † Sikeston, Missouri
Moore, Benjamin Clay	Ed unc		* † Onarga
Moore, Clarence Mason	SHAAgr	135½	* † Danville
Moore, Donald Franklin	Agr		* † Chicago
Moore, Dorothy Helen	LAS		* † Chicago
Moore, Dorothy Lucretia Ruth	HEAgr	8	* † Urbana
Moore, Dwight Leonard	Agr	68½	* † New Salem
Moore, Edith Lucile	LAS	65	* † Roseville
Moore, Edwin Eldred	Agr		* † Joliet
Moore, George St. Clair	Accy	35	* † Benton
Moore, George W	Vsp		* † Champaign
Moore, Goodloe Edward	CE	70	* † Danville
Moore, Helen, B.Mus, 1921	SS	141½	* † Champaign
Moore, Helen Jane	LAS	65	* † Newman
Moore, Joseph Earl	ME	34	* † Canton
Moore, Kenneth William	Bus	63	* † Indianapolis, Indiana
Moore, Lawrence Moses	PreM		* † Benton
Moore, Leslie Wilber	Agr	91	* † Otterbein, Indiana
Moore, Malcolm Paul	LAS		* † Hartford City, Indiana
Moore, Margaret Jane	LAS	56	* † Danville
Moore, Marian Joseph	Accy	58	* † Benton
Moore, Mary Eulalia	SS	14	* † Springfield
Moore, Maude	LAS	50	* † Chicago
Moore, Merle Graydon	AC		* † Williamsville
Moore, Ralph Wodrich	ME		* † Oak Park
Moore, Robert Edmond, Jr.	LG	36	* † Rockville, Indiana
Moore, Roberta Lucille	Mus		* † Champaign
Moore, Virginia Elizabeth	LG (SS)	104	* † Benton
Moore, William Hartwell	SS	92	* † Kewanee
Moreava, Gerald William	IA		* † Chicago
More, Helen Gould, B.A., 1922, B.L.S., 1922	Lib	32	* † Walla Walla, Washington
Morehead, Carl Flanders	Bus	99	* † Shelbyville
Morehead, Charles Downie	SS	5½	* † New Concord, Ohio
Morehand, Paul Ingram	Bus		* † Burlington, Kansas
Moreland, William Henry	CerE		* † Urbana
Morey, Julia Ruth	LAS		* † Villa Grove
Morfi, Frederick Paul	EE		* † Chicago
Morgan, George Olaw	SS	37½	* † Plainville
Morgan, Jessica Charlotte	HELAS	46½	* † Chicago
Morgan, Lowell Risinger	PreM		* † Humboldt
Morgan, Norris Gould	Agr	88	* † Galva
Morley, Phyllis Virginia	LAS		* † Antioch
Morr, Justin Wheeler	AC		* † Albion, Indiana
Morrell, Essie Adele	LAS	33	* † Canton
Morris, Dorothy Elizabeth	HEAgr (SS)	37	* † Urbana
Morris, Evan Richard	CE	26	* † Chicago
Morris, Edward Franklin	Bus		* † Watska
Morris, George Elwood	MinE	35	* † Danville
Morris, Inez Lucile	SS	15	* † Bluford
Morris, Mildred Ruth, B.S., 1921	SS	137½	* † Urbana
Morris, Nellie Fern	LAS (SS)	16½	* † Oblong
Morris, Ollie Nathaniel	LAS	48½	* † St. Louis, Missouri

Morris, Thomas Baker	CE	39½	*	Marshall
Morrison, Clay Alexander	SS	130	*	Muncie, Indiana
Morrison, Elmer Duncan	Agr	68	* †	Peotone
Morrison, Eugene Wilmer	EE		* †	Marion
Morrison, Jerome Paul	CL		*	Chicago
Morrison, Erma Kathryn	HELAS	34	*	Muncie, Indiana
Morrison, Paul Everett	SS	7		Savoy
Morrison, Robert Rees	Agr	84	* †	Savoy
Morrison, Ruth	SS	9		Sparta
Morrison, Voris Leo	Bus	32	* †	Ramsey
Morrison, William Mose	Bus		* †	Lorington
Morriess, Thomas Edward	Bus	25½	* †	Chicago
Morrissey, Mrs. Georgia Nevill	SS			Urbana
Morrow, Charles Edward	ME	114½	* †	Champaign
Morrow, Thomas William	Jnl	23	* †	Champaign
Morsch, Grace Emma	LAS	35	* †	Hinckley
Mortenson, Ethel Elvira Berenice	LAS	33	* †	Chicago
Mortenson, Florence Evelyn	LAS	92	* †	Chicago
Morton, Caroline Allen	LAS		* †	Taylorville
Morton, Helen Louise	Mus		* †	Salem
Morton, John Cole	Agr			Decatur
Morton, Roscoe William	ME (SS)	110½	* †	Berwyn
Moses, Dudley Bertie David	Agr (SS)	112	*	Transvaal, South Africa
Mosher, Miriam Frances Elizabeth	Bus		* †	Omaha, Nebraska
Mosher, Nelson Hunter	SS			Mt. Pleasant, Michigan
Mosier, Dorothy Rachel	LAS		* †	Urbana
Mosier, Heleen Katherine	LAS	32	* †	Urbana
Moskos, Ulipsa Alice	LAS		* †	Taylorville
Moss, Bertram Bernard	Bus	30	*	Chicago
Moss, Joseph Bondurant	AC	62½	* †	Chrisman
Moss, William Gordon	Bus		* †	Frankfort
Motley, Loren Alva	Agr	89½	* †	Viriden
Motley, Ralph Edward	LAS	54	* †	Pocohontas, Virginia
Motschman, Alberta Viola	LAS (SS)	58	* †	Chicago
Mott, Richard Merritt	ME	109	* †	Rockford
Mottar, Roland Francis	LAS	100	* †	Springfield
Mottier, Walter Clair	EE		* †	El Campo, Texas
Mougin, Edna Harriet	LAS	32	*	Elizabeth
Moulden, Clara Berenice	SS	118¾		Tuscola
Moulton, Evelyn Ruth	LAS	32	* †	Lakewood, Ohio
Moulton, George Foss	Eng	137¾	* †	Chicago
Moulton, Margaret Jane Veronica	LAS	32½	* †	Oak Park
Moulton, Willard Leavitt	FC		* †	Virginia
Mountain, Dorothy Stoynt	LAS	31	* †	Gary, Indiana
Mowery, Ralph Edward	Accy	103½	* †	Ullin
Moxley, Martha Ver Dier	LAS	31	* †	Little Rock, Arkansas
Moyer, Elmer Lehman	Bus		* †	Indianapolis, Indiana
Moyer, Frank Alexander	Bus	50½	* †	Paris
Moyer, Lester	SS	15		Des Moines, Iowa
Moys, Fay Cecilia	SS	7		Lawrence, Kansas
Mracek, John, Jr.	Bus	31	* †	Chicago
Mroz, Stephanie Antoinette	Mus	24	* †	Chicago
Muchmore, Ethel Eugenia	HEAgr	95	* †	Oblong
Muchmore, Mabel Valeria	HEAgr	97	* †	Oblong
Mueller, Frederic William	ME	90	* †	Chicago
Mueller, Margaret Wilhelmine	Ed	97¾	* †	Tower Hill
Mueller, Paul Louis	Bus	62	* †	St. Louis, Missouri
Mueller, Russell Arthur	EE	123½	*	Belleville
Mueller, Waldo George	Bus	33	* †	Belleville
Mueller, Walter Earnest	EE	70	* †	Tower Hill
Muhl, Clarence Arthur	AC	53	* †	Oskaloosa, Iowa
Muirhead, Marie	HELAS		* †	Des Moines, Iowa
Mulberry, Dorothy Maye	LAS		* †	Mt. Auburn
Mulcaey, Arthur Glenn	Agr		* †	Lyndon
Mulconery, Andy W	Bus		* †	Golconda
Mullen, Lawrence Ray	Jnl	109	* †	Macomb
Mullen, Thomas Joseph	LAS	11½	* †	Champaign
Mullen, Vern Elmo	AC (SS)	52	* †	Taylorville
Mullen, Vernon Harry	AC		* †	Indianola
Muller, Floyd Minch	FC	66	* †	Washington
Muller, Mrs. Gertrude Emerson	LAS unc	15	* †	Urbana
Muller, Joe Percy	Agr	25	* †	Rockford
Muller, Julius	ME (SS)	59	* †	Urbana
Mulligan, James	SS	8		Galesburg
Mullins, Anna Marie	LAS (SS)	64½	* †	Champaign
Mumford, Dwight Curtis	Agr	106	* †	Urbana
Mumford, James Satterlee			* †	Urbana
Mumford, Mary Caroline	HELAS (SS)	71	* †	Urbana
Mummert, Sterling David	AC		* †	Spring Grove, Pennsylvania
Muncie, John Dwight	LAS	95½	* †	Olney
Muncella, Amelia	Bus		* †	Aurora
Mundhenke, Wilson Edwin	Arch		*	Rockford
Mundorf, Wilbert Winter	Bank	65	* †	Marshall
Mundy, Charles Algy	SS	125		Chicago
Mundy, Otto Seraphim	CerE	114	* †	Huntingburg, Indiana

Munnis, Esther Marian	Mus unc	4	* Champaign
Munroe, Helen Lydia	LAS	97	* † River Forest
Munson, Mary Moore	HEAgr (SS)	96	* † Champaign
Murch, Edith Jessie	LG	100	* † University City, Missouri
Murch, Lucille Eugenia	Ed	77	* † St. Louis, Missouri
Murch, Mildred	LAS	107	* † St. Louis, Missouri
Murch, William Henry	CerE		* † Centralia
Murchinson, Ethel	SS	6	* † Galva
Murdock, Charles Cyril	AC		* † Clinton, Indiana
Murphey, Florence Victoria	LAS	95	* † Tuscola
Murphey, Helen Catherine	LAS unc	18	* † Champaign
Murphey, Lillian Ruth	LAS unc	18	* † Champaign
Murphy, Arvelle Isaac	LAS		* † St. Louis, Missouri
Murphy, Mrs. Carolyn Carmen	Accy (SS)	89	* † Champaign
Murphy, Daniel Cornelius	Eng	113	* † Rock Island
Murphy, Donald	LAS		* † Decatur
Murphy, Harold Joseph	Bus	88½	* † Aurora
Murphy, Harvey Clyde	Accy (SS)	94½	* † Harrisburg
Murphy, Hazel E	SS		* † Harrisburg
Murphy, James Francis	Agr	77½	* † Ames, Iowa
Murphy, James Thomas	PreM		* † Champaign
Murphy, John Joseph	AE		* † Chicago
Murphy, Joseph C	Agr	58½	* † Urbana
Murphy, Joseph Vincent	PreL	26	* † Chicago
Murphy, Lawrence Webster	Agr	97	* † Canton
Murphy, Robert Edward	Agr		* † Marshall
Murphy, Ruth Mary	SS	8	* † Lincoln
Murphy, Virgil Leroy	PreM		* † Marshall
Murphy, Waldo Evans	PreM		* † Bement
Murphy, William Delmer	Agr (SS)	77	* † Bement
Murray, Arthur	SS		* † Orrville, Ohio
Murray, Clarence Robert	ME	71½	* † Menominee, Michigan
Murray, Donald Russell	PreL		* † Evanston
Murray, Douglas Hoag	PreL		* † Chicago
Murray, Etta Emma	Bus		* † Menominee, Michigan
Murray, Flora Farnsworth	LAS		* † Danville
Murray, George Lyndon	Agr		* † Arrousmith
Murray, John Ross	CE (SS)	107½	* † Harvard
Murray, Nevada Elizabeth	LAS	53	* † Champaign
Murray, Resda Claire	Mus	30	* † Hinsdale
Murray, Rowland Hill	Bus	102	* † Chicago
Murray, Samuel Walter	Bus	112	* † Menominee, Michigan
Murray, Thomas Henry	Agr		* † Harvard
Murray, William Moore	Bus	76½	* † Springfield
Murray, William Norman, Jr.	Bus	32	* † Chicago
Murry, Adam Royal	Agr	64	* † Arrousmith
Murry, Willard Joseph	Agr	63½	* † Batavia
Murton, Arthur Edward	MinE	34	* † Alton
Muschott, Stewart Edward	PreM	40	* † Joliet
Muse, Luther Lee	AC unc (SS)	38½	* † Senath, Missouri
Musfeldt, Rhoda Maria	LAS	118	* † Rock Island
Musgrave, John Ernest	Agr	35	* † Martinsville, Indiana
Musick, Ralph Eugene	PreM	24	* † Lincoln
Musson, Arthur Stowell	IA	103	* † Moline
Mustafa, Syed	EE	114½	* † New York
Myalski, Walter Aloy	Accy	32½	* † Chicago
Myers, Frances Helen	Bank	70	* † Champaign
Myers, Franklin Rudolf	LAS	115½	* † Berwyn
Myers, Joshua Jay	Agr	7	* † Varna
Myers, Latham Beverly	LAS	43	* † Denver, Colorado
Myers, Mary Estelle	LAS	28	* † Olney
Myers, Sara Jane	LAS	63	* † Terre Haute, Indiana
Myers, Wilfred Stanley	EE	36	* † Mendon
Myers, Thomas Douglas, B.S., 1909	Mus irr		* † Urbana
Myrick, Burdell Noel	Bus	26	* † Chestnut
Naber, Kathryn	LAS	31	* † Wabash, Indiana
Naden, Russell Samuel	Agr		* † Newark
Naef, Robert William	AE	107	* † Whiting, Indiana
Naegle, Frederick Harold	Arch	57	* † Indianapolis, Indiana
Nagel, Frank Emil, Jr.	PreM	34	* † Secor
Nagel, Frederic Emil, Jr.	LAS	43	* † La Grange
Nagel, Gertrude Elizabeth	LAS	113	* † Chicago
Naidu, Pagadam Narasimile Ethirajulu	LAS	113½	* † Bangalore, India
Naiboch, Stephen Nieholan	SS	33	* † Moveaqua
Nance, Oliver Odell	SS	33½	* † Jackson, Missouri
Napieralski, Mabel Adeline	LAS		* † Chicago
Napieralski, Stephen Emanuel	AE	30	* † Des Plaines
Naseef, George William	Bus		* † Kewanee
Naselli, Attilio Vincent	IA	78	* † Chicago
Nash, Herbert Thomas	PreM	33½	* † Chicago
Natenberg, Arnold Philip	Bus		* † Chicago
Naumann, Karl Rudolph	Accy	40	* † Joliet
Nay, Bernard Everett	Bus	41	* † Marshall
Nay, Charles Russell	Agr		* † Kansas
Nayar, Mulkh Raj	CerE	21	* † Purana, India

Naylor, Dorothy Virginia	LAS	60	* † Chicago
Neagle, Richard John	Law		* † Kewanee
Neahaus, Virgalus Gertrude	SS		* † North Chicago
Neal, Earl James	LAS		* † Chicago
Neathery, Verna Esta	SS	72	* † Greenville
Neave, Sidney Lionel	Chem unc (SS)	50	* † Victoria, Canada
Nebeker, Helen Rhonda	HELAS	30	* † Salt Lake City, Utah
Needham, Dorothy Wilmoth	LAS		* † Chicago
Needham, Grace Alice	LAS	66	* † Urbana
Needham, Roscal Gladstone	CE		* † Kenster, Arkansas
Needler, David Wesley	CL	33	* † Chicago
Needler, Elizabeth Gertrude	LAS	60	* † Chicago
Neff, Earl John	Arch		* † Danville
Neff, Grace Viola	Jnl	44	* † Chicago
Neill, Harold Dwight	Bus		* † Greeley, Colorado
Neill, Walter	Bus	111	* † Tacoma, Washington
Neiswanger, Samuel Owen	CerE	115	* † Oskaloosa, Iowa
Nelson, Alva King	CE unc (SS)	30½	* † Danville
Nelson, Arthur Edwin	SS	152½	* † Springfield
Nelson, Carl Randall	EE	31	* † Council Bluffs, Iowa
Nelson, Chester George	Flor	31	* † Chicago
Nelson, Elvira	LAS		* † Forest City, Iowa
Nelson, Franklin Christian	Agr (SS)	96	* † Ashkum
Nelson, George Thomas	AE	65	* † Chicago
Nelson, Gordon Vernon	CE	76	* † Paynesville, Minnesota
Nelson, Gustave Ferdinand	Law	31	* † Chicago
Nelson, Maud Irene	LAS	63	* † Chicago
Nelson, Maurice Walter	Bus	64	* † Chicago
Nelson, Melvin Rueben	Bus		* † Chicago
Nelson, Raymond Carl	Agr	68	* † DeKalb
Nelson, Richard Hermon	ME	11	* † Moline
Nelson, Ruber Otto	CE	105	* † Berwyn
Nelson, Sadie Ruth	LAS	33	* † Champaign
Nelson, Wallace Alan	FC	67	* † South Bend, Indiana
Nelson, Walter Nicholas	CE unc (SS)	37	* † New London, Connecticut
Nemoyer, Jason Wallace	MSE	112½	* † Champaign
Nerad, John Jule	Bus		* † Oak Park
Nesbitt, Estella Elizabeth	HELAS	104	* † New Richmond, Indiana
Nesbitt, Herbert Franklin	Agr (SS)	68	* † Urbana
Nesbitt, Paul Harold	Bus		* † Savanna
Nesbitt, Pearle Judith	HELAS (SS)	76	* † Urbana
Netcott, Victor A	AE	54	* † Waterloo, Iowa
Neth, Frank Arthur	Bus	64	* † Piqua, Ohio
Neubauer, Jacob George	LAS (SS)	74	* † Champaign
Neuber, Anna Louise	LAS	108	* † Litchfield
Neuberger, Abe	LAS	31	* † Chicago
Neuman, Irma Helen	Bus	42	* † Chicago
Neumann, Robert Louis	Accy	114½	* † Kokomo, Indiana
Neveleff, Louis Abel	LAS		* † Chicago
Neville, Cleda Blanche	LAS	110½	* † Pinckneyville
Neville, Harry Clay	Agr	98	* † Pinckneyville
Nevin, Henry Wells	Bus	89	* † Atlanta, Georgia
Nevin, Mrs. Maurine L Denny	LAS	99	* † Vandalia
Newberg, Richard Floyd	SS	7	* † Galesburg
Newbold, Allyn Davis	CE	107	* † Joliet
Newburn, Alice Rachel	HEAgr	54½	* † Hoopston
Newburn, Gene Edgar	SHA Agr	103½	* † Hoopston
Newcomb, Edward Charles	Arch (SS)	57½	* † La Crosse, Wisconsin
Newell, Horace Mead	Agr	63	* † Kirkwood, Missouri
Newhard, Francis Gordon	Agr		* † Dayton, Indiana
Newkirk, Alfred Francis	PreL		* † Tulsa, Oklahoma
Newlander, Sylvia	LAS	14	* † Chicago
Newlin, Harold Medske	Jnl		* † Hutsonville
Newman, Harold	CL	25½	* † Danville
Newman, Harriett Grace	SS	24½	* † Urbana
Newman, Louise Marie, A.B., 1921	SS		* † Urbana
Newman, Morton Wise	Bus		* † Evansville, Indiana
Newman, Roy Leo	Bus	104	* † Chicago
Newmark, Valentine Payne	SS	56	* † Tulsa, Oklahoma
Newsom, Noble	SS	19½	* † Mt. Carmel
Newton, Alfred	PreL		* † Chicago
Newton, Dorothy	LAS	61	* † Urbana
Newton, Frank Leland	Bus	60	* † Oskaloosa, Iowa
Ng, Tak Kei	ChE (SS)	134½	* † San Francisco, California
Ngan, Chun On	ChE (SS)	56½	* † Tainan, Japan
Nicewander, Lester LeRoy	Bus		* † Indianapolis, Indiana
Nichols, Arthur Forbes	ME	22½	* † La Grange
Nichols, Charles Alvin	SS	6½	* † Greensburg, Pennsylvania
Nichols, Elmer Sammons	Bus	22½	* † Milwaukee, Wisconsin
Nichols, Esther Inez, B.S., 1922	SS		* † Elmwood
Nichols, Robert Nairne	AE		* † Momece
Nichols, Warren Alfred	Law	131	* † West Liberty, Iowa
Nickerson, Lincoln Wendell	Bus	7½	* † Blue Island
Nickol, Walter Bernard	Bus		* † Chicago
Nicolet, Lucile Paula	HEAgr		* † Urbana

Niebergall, Wesley John	EE		* †	Mendota
Nieburger, Grace Edna	Accy	29	* †	Chicago
Niedergessass, Selma Alice	HEAgr	127½	* †	Chicago
Niemann, Paul William	ME		* †	Chicago
Niess, Netta Virginia	LAS	68	* †	Bellerive
Nilson, Alvin Arthur	LAS	50½	* †	Greenville
Nilson, Elizabeth Hilma	LAS	28	* †	Glencoe
Nilson, Karl Andrew	Bus	48½	* †	Chicago
Nilson, Olga Evelyn	LAS	93	* †	Chicago
Nims, Isabelle Eugenia	LAS	97	* †	Chicago
Nims, Valiant Gale	AC (SS)	82	* †	Greely, Colorado
Nishimura, Seigo	Arch		* †	Tokio, Japan
Nissen, Henry Wieghorst	LAS	96	* †	Chicago
Niven, Tenne	SS	4½		Tucker, Arkansas
Noble, Arthur James	Bus	58	* †	Blue Island
Noble, Dorothy Vernon	LAS	71	* †	Chicago
Noble, Herman Emerson	ME	86	* †	Decatur
Noble, Reuben Priestley	Bus	98	* †	Princeton
Nobles, Clarence Redden	Agr (SS)	114½	* †	Buncombe
Nogle, James Harold	Bus		* †	Champaign
Nolan, Anne Veronica	Bus	40	* †	Gilbert, Minnesota
Nolan, Joe, Jr.	Bus (SS)	12½	* †	East Alton
Noling, May Elizabeth	CCS	8	* †	Wyanet
Noonan, Charles Walter	Bus (SS)	88½	* †	Granite City
Norain, Helge Bernard	CE	91	* †	Hubbard Woods
Nordberg, Herman Gerald	IA	30	* †	Chicago
Nordell, Alvin Hugh	LAS	19	* †	Rockford
Norkaitis, Dennis Anton	Arch unc	8	* †	St. Charles
Norman, Grace Elizabeth	LAS		* †	Springfield
Norman, Margaret Angeline, B.S., 1922	SS	132½		Champaign
Norman, Philip Leonard	Bus		* †	Montevideo, Minnesota
Norris, Minturn Guy	SS	6½	* †	Charleston
Norris, Ralph Sackett	Agr	98	* †	Galena
Norrish, Edith Margaret	LAS	110½	* †	Morrison
Norse, John Hronyeez	CE		* †	Chicago
North, Cornelia	HELAS	33	* †	Champaign
Northam, Carleton Drury	ME	113	* †	Wilmette
Northam, Howard LeRoy	CerE		* †	Warren
Northrup, Ralph Thomas	IED		* †	Chicago
Norton, Clyde C.	Agr unc		* †	Champaign
Norton, Edgar Woolfolk	Bank (SS)	45	* †	St. Louis, Missouri
Norton, Howard Monroe	Agr	55	* †	Tolono
Norton, Mildred Cleveneger	LAS	59	* †	Champaign
Norton, James Percy	Agr		* †	Centralia
Nortridge, Florence Marie	Jnl	28	* †	Freeport
Norvell, Paul Caston	SS	8		Cape Girardeau, Missouri
Norwood, Earl Ellis	CE	55½	* †	Chicago
Nosek, Florence Anne	LAS	90½	* †	Chicago
Nothenberg, Esther Mercedes	LAS	110	* †	Chicago
Notter, Miriam Lucile	LAS	10	* †	Chicago
Novak, Charles A.	Bus		* †	Chicago
Novak, Joseph	Bus	13	* †	Chicago
Novotny, August Louis	Bus	109½	* †	La Grange
Nowak, John Michael	PreM	20	* †	Chicago
Nowlan, John Townsend	Jnl		* †	Toulon
Nowlan, Ralph Elmo	Agr	101	* †	La Fayette
Nowlin, Mabel Naomi	LAS	9	* †	Sullivan, Indiana
Noyes, Charles Edmund	LAS (SS)	115½	* †	Urbana
Nuckolls, John Albert	Agr	116½	* †	Springfield
Nuessle, Dwight Avery	Bank (SS)	121½	* †	Onawa, Iowa
Null, Fay Edison	EE (SS)	138	* †	Urbana
Null, Nora Orpha	LAS		* †	Urbana
Nyberg, Florence A.	LAS		* †	Champaign
Nystrom, Elget Clarence	Bus		* †	Chicago
Oakes, Bernard Francis	AC	60	* †	Maywood
Oakes, James Lowell, Jr.	Law	26½	* †	Champaign
Oakes, Junieur Donald	Bus	121½	* †	Champaign
Oakes, Mrs. Orinta Dell	Mus		* †	Champaign
Oakley, Kenneth H.	Bus		* †	Toledo, Ohio
Oaks, Seth Eustace	EE		* †	Kirkwood
Oathout, Eva Elinor	HELAS	33	* †	Urbana
Obenchain, Demont David	LAS	91½	* †	Galea
Oberholtzer, Kenneth Edison	Agr	71½	* †	Tulsa, Oklahoma
O'Boyle, John Anthony	Accy		* †	Chicago
O'Brien, Bernard Thomas	Bus		* †	Belvidere
O'Brien, Fred William	Vsp (SS)	29½	* †	Champaign
O'Brien, William Claire	PreL	30½	* †	Aurora
O'Bryan, Kenneth Clyde	Agr (SS)	35	* †	Little Rock, Arkansas
Ocker, Ellen Katherine	Ed	101	* †	Indianapolis, Indiana
Ockert, Marshall Albert	Bus		* †	Oak Park
O'Connell, John Bernard	REE	121	* †	Chicago
O'Connor, Edward John	Bus	105	* †	Kewanee
O'Connor, Forrest Edward	Agr	67	* †	Elgin
Odell, Frank Veri	AC		* †	Oblong
O'Donnell, Edmund Michael	Chem	64	* †	Lee

O'Donnell, Emmett Erwin	ChE (SS)	98	* † Ottawa
O'Donnell, John Burke	Bus	41	* † Chicago
O'Donnell, Thomas Francis	AC	15	* † Holyoke, Massachusetts
Odum, William Kenneth	Bus	25	* † Benton
Oechsner, Rose Emma	SHHEEd	67	* † St. Louis, Missouri
Oehl, Arthur Harriman	LAS	90	* † Chicago
Oehler, Alvin William	IA	100	* † Minier
Offenbacher, Floyd Ross	LAS		* † Pittsfield
Offenbiser, Harold Lee	Bus	23	* † Pearl City
Ogdon, Montelle Ernest	LAS (SS)	57	* † Urbana
Ogg, Velma Althea	LAS	46	* † Scottville
O'Grady, Leo James	Accy		* † Chicago
O'Hair, Florence Kathleen	LAS	33	* † Oak Park
O'Hair, Robert Browning	Bus	52½	* † Oak Park
Ohsawa, Gen	ME	106	* † Chibaken, Japan
Ojemann, Ralph Henry	Ed	74	* † Peoria
Okada, Haruto	PreM (SS)	38	* † Honokaa, Hawaii
Olander, Milton Martin Frithiof, B.S., 1922	SS	143½	* † Rockford
Olchoff, Maurice	ME	116½	* † Rock Island
Olcott, George Wheeler	LG	34	* † Chicago
Olcott, Horace William, Jr.	LAS	61	* † New York, New York
Oldfather, Margaret	LAS		* † Urbana
O'Leary, Frank John	LAS	58	* † Chicago
Olesen, James Martin, Jr.	Accy	32	* † Chicago
Oleson, Philip Cheverton	LAS		* † Lombard
Olin, Gertrude May	LAS	25	* † Wilmette
Olin, Lester Cleo	LAS	66	* † Alexis
Olinger, Faunda Lucille	LAS		* † Garrett, Indiana
Olive, Bessie Jane	SS	8	* † Worden
Oliver, Elizabeth Andrews	LAS	28	* † Urbana
Oliver, Richard Lloyd	PreL	26½	* † Champaign
Oliver, Thomas William	CE	4	* † Pittsburg, Kansas
Olmstead, Edward Hawley	Agr unc		* † Riverside
Olmsted, Almada Marguerite	LAS		* † Milledgeville
Olmsted, Capitola Irma	LAS		* † Milledgeville
Olmsted, Royal Edwin	CE	16	* † Colorado Springs, Colorado
Olney, Elliott Long	LAS		* † South Bend, Indiana
Olsen, Beatrice Ruth	LAS	6¾	* † Chicago
Olsen, Elmer Clem	Agr		* † Gardner
Olsen, Rangwold Severn	CerE	97	* † Fox Lake
Olson, Arnold Oliver	Bus	35	* † La Grange
Olson, Bert Emanuel	CE		* † Chicago
Olson, Carl Ryerson	Agr unc	69	* † Chicago
Olson, Ellen Olivia	LAS (SS)	98	* † Galesburg
Olson, Elynn Gertrude	LAS	49	* † Chicago
Olson, Glennard Theodore	ME	82	* † Chicago
Olson, Raymond Irving	AE	75	* † Chicago
Olson, Richard Martin	PreL		* † Chicago
Olson, Selma Marie	HELAS		* † Penfield
Olson, Warren Charles	Bus		* † Chicago
Olson, Willard Earnest	Agr	29	* † Morris
Oltusky, Lena Ann	Accy	66	* † Waukegan
O'Malia, Lois	LAS		* † Evanston
O'Malley, Patrick Joseph	Agr		* † Chicago
O'Mara, Harold Patrick	PreM		* † Fairmont, Indiana
Omark, Reuben Erick	LAS	69	* † Kewanee
O'Meara, Mary Louise	LAS	100	* † Anderson, Indiana
Omer, Aileen Roberta	Ed	71	* † Herrin
Oneal, Claire Elmo	LG		* † Mt. Carmel
O'Neill, Dwight Dewitt	LAS (SS)	64	* † Collinsville
O'Neill, Elmer Holman	EE		* † Downers Grove
Ongkiko, Elbo Vincente	RME		* † Santa Cruz, Philippine Islands
Oppenheim, Sol	Jnl		* † Rockford
Opperman, Halbert Hoover	AE	71	* † Pontiac
Oppermann, Reginald Arthur	ChE	75	* † Chicago
Orata, Pedro Tamesis	Ed	68	* † Pangasman, Philippine Islands
Orcutt, Lester Raymond	Bus		* † Fontana, Wisconsin
Orland, Frank Addison	Bus	98	* † Murphysboro
Ormiston, Thomas Edmund	EE	76	* † Champaign
Orput, Ray Alexander	AE	106	* † Rockford
Orr, Louis Thomas	LAS	20	* † Chicago
Orr, Mary E., A.B., 1914	LAS irr		* † Pekin
Orstadt, Henry Lawrance	PreM		* † Kendallville, Indiana
O'Ryan, Fergus	Jnl	84	* † Oak Park
Orzeszynski, Bernard Siegfried	Bus	33	* † Chicago
Osbeck, George William	Bus	33	* † Chicago Heights
Osberg, Theodore Nils Christian	Bus	28	* † Riverside
Osborn, Ferris Lawrence	ChE	31	* † Danville
Osborne, Dorothy Myra	LAS	38	* † Danville
Osborne, John Reilly	Bus		* † Freeport
Osborne, Robert Thompson	Flor (SS)	28½	* † Champaign
O'Shea, Edmund Francis	LAS		* † Chicago
Osmanson, Guy Leslie	LAS	33	* † Morris
Osterholtz, Curedia Wilma	Bus		* † Centralia
Osterloh, Ottilie Elise	LAS	110¾	* † Quincy

Ostner, Marshall Alexander	Bus		* † Charleston, Missouri
Ostrand, Ansel Gustavus	Bus unc		* † Champaign
Otey, Ed Rainey	Agr	86	* † Marion
Ott, Edward Henry	Bus	102	* † Grand Ridge
Ott, Estella Ruth	LAS	31	* † South Wallingford, Vermont
Ott, Florence Clara	LAS	31	* † South Wallingford, Vermont
Ott, George	ME		* † Harvey
Ott, Rush Calvin	ME	107	* † Ogden
Ott, William Carl	AC	123½	* † Plano
Otto, Frances Mildred	LAS	31	* † Chicago
Otto, Grace Wilhelmina	LAS	15	* † Chicago
Over, Harold Allard	EE	102½	* † Fort Worth, Texas
Overtin, Marcus Muse	LAS		* † Springfield
Overton, Donald Harper	AC		† Monmouth
Overton, Leo	AC	22	† Homewood
Overy, Orville Raphael	Accy	102	* † Wolcott, Indiana
Owen, George Edwin	Bank (SS)	114½	* † Chicago
Owens, Edwin Charles	Bus	62	* † Sterling
Owens, Elmer Theodore	LAS		* † Urbana
Owens, Harold Chester	Accy	62	* † Indianapolis, Indiana
Owens, Katherine Lewis	SS	6	† Dixon
Oyster, Louis Stransky	Bus		* † Savanna
Ozier, Lowell Eugene	AE		* † Greenup
Ozment, Mary Louise	LAS	58	* † Harrisburg
Paape, Walden William	SHAE	95½	* † Lake Forest
Pabst, Adolf	LAS	43	* † Chicago
Pacis, Vincente Albano	Jnl	71½	† Vintor, Philippine Islands
Packard, Margaret Frances	LAS	71	* † Robinson
Padgett, Alma	SS		† Martinsville
Padou, Paul Francis	IA	102	* † Indianapolis, Indiana
Page, John Archer	Bus	98	* † Elgin
Page, Kirk Lee	Accy	108	* † Indianola
Page, Marva Adele	Mus	30½	* † Chicago
Painter, Addie May	HELAS (SS)	11	* † Mound City
Painter, James Russell	SS	73½	† White Hall
Palmer, Anita Anna	LAS		* † Gibson City
Palmer, Boyd Burton	Agr		* † Parkville, Missouri
Palmer, Carl Bradley	Bus	63	* † Oak Park
Palmer, Cecil Stanley	Bus		* † Vermont
Palmer, Harold Hurst	Bus		* † Gibson City
Palmer Harriet Elizabeth	LAS (SS)	15	† Urbana
Palmer, Marion Frances	LAS	68	* † Oak Park
Palmer, Mary Dorothy	LAS (SS)	66	* † Urbana
Palmer, Milo, Jr.	ME	55½	* † Cairo
Palmgren, Henrietta Amelia	LAS	70	* † Chicago
Pampe, Robert Raymond	SS	7	* † Parkersburgh
Pan, Shi Luen	Bank (SS)	108	* † Nanking, China
Panka, James Andrew	SS	6½	* † Prairie du Chien, Wisconsin
Pankey, Thomas Lorton	ME	82½	* † Wheaton
Panlilio, Victor	Bus (SS)	70	* † San Fernando, Philippine Is.
Papanek, Samuel	Bus		* † Chicago
Pape, Zella Elizabeth	Ed	99	* † Mattoon
Parcel, Katherine Jeannett	HELAS	34	* † Casey
Farham, Robert Howard	PreL (SS)	22	* † Feedersburg, Indiana
Parizek, Libuse	Mus	27	* † Chicago
Park, Ethel	Bus	79	* † Cuba, Missouri
Park, Sunshine E	LAS (SS)	44½	* † Parkersburg
Parker, Charles Theodore	EE	71	* † Chicago
Parker, Curtis Reed	Bus	34	* † Hubbard Woods
Parker, Donald Dean	SS		† Gardner, Kansas
Parker, Francis Feland	Bus (SS)	79	* † Urbana
Parker, Frederick Pope	SS	6½	* † Goldboro, North Carolina
Parker, Genevieve Mary	HELAS	99	* † Gilman
Parker, George William	EE	39¼	* † Chicago
Parker, Harvey Frederick	Vsp		* † New London, Missouri
Parker, Helen Lucy, B.Mus., 1914	SS	217	† Champaign
Parker, Howard Stuart	Bus		* † Effingham
Parker, James Abraham	Bus		* † Colfax, Indiana
Parker, James Francis	Agr	14	* † Oak Park
Parker, Maurine	LAS	67	* † Champaign
Parker, Paul	LAS	5	* † La Grange
Parker, Robert Edward	ME		* † Terre Haute, Indiana
Parker, Sanford Welding	IA (SS)	106	* † Oak Park
Parker, Sidney	SS	15½	† Tezico
Parker, William Hammond	Jnl	2	* † Chicago
Parkhill, Ambia Emma	LAS	27	* † Champaign
Parkhill, Bernice Ethel	Mus	27	* † Champaign
Parkhill, Beulah Blanche	LAS	23	* † Champaign
Parkhill, Earl Russel	Bus		* † Champaign
Parkhill, James Marshall	Agr		* † St. Augustine, Florida
Parkhill, William Theodore	Bus	64	* † Champaign
Parkinson, Bruce Cobb	Bus	55	* † Wagoner, Oklahoma
Parks, Georgia Isabel	HELAS	93	* † Bowling Green, Kentucky
Parks, Helen Ora	LAS		* † Champaign
Parks, John Edward	EE	140%	* † Elgin

Parks, John Harold	LAS	31½	* † Sparta, Michigan
Parks, Mrs. R A	SS		Marion
Parks, Russell Solon	LAS		* † Champaign
Parks, Wendell Burton	Arch		* † Wichita, Kansas
Parmelee, Cullen Everett	CerE	37	* † Urbana
Parnell, Erle Ford	Agr	62	* † Hoopston
Parr, Frank Winthrop	LAS	33	* † Chicago
Parr, Marie Christine	LAS		* † Champaign
Parres, Murray Herble	Bus	61	* † East St. Louis
Parry, Gladys Mae	LAS	64	* † Tolono
Parsons, Allan Davies	Jnl	68½	* † Chicago
Parsons, Edward F	Bus		* † Atwood
Parsons, Etha Elizabeth	Bus		* † Douds, Iowa
Parsons, Mark Miller	Agr	34	* † Douds, Iowa
Parsons, Robert Ross	LAS (SS)	97½	* † Kahoka, Missouri
Partlow, Harry Charles	Agr		* † Casey
Partlow, Wilson Dempsey	PreL	71	* † Snyder, Oklahoma
Partridge, Alberta Ruth	LAS	24	* † Peoria
Partridge, Charles Robert	Bus unc		* † Mt. Vernon
Partridge, Edward Francis	Agr	86	* † Cornell
Paschen, Franklin Henry	CE	31½	* † Chicago
Pasley, DeEstin Leroy	Law	59	* † DeKalb
Pasmus, Arthur John	IA		* † Watseka
Pasternak, Thomas, B.S., 1922	SS	140½	Chicago
Patchen, Ralph Harlan	AC		* † Salamanca, New York
Pate, Eva Pearl	LAS	34	* † Shelbyville
Patel, Mooljibhai Shivabhai	Chem (SS)	103	* † Anand City, India
Paterno, Antonio Maria	CE	101	* † Manila, Philippine Islands
Paterson, Ellen Jean	HELAS (SS)	43	* † Sycamore
Paterson, Harold Camerson	AC	30½	* † Boone, Iowa
Patient, Edith Mae	SS	8	* † Butterfield, Minnesota
Patrick, Marion Dorothy	LAS	28	* † Oak Park
Patrick, Robert William	Agr	35	* † Naperville
Patrick, Tobasco S	Chem	62	* † Paragould, Arkansas
Patten, Donald Carl	Bus (SS)	97	* † Sycamore
Patten, John Elverson	AE		* † Chicago
Pattingale, Nell Treva	PreM		* † Champaign
Patterson, Mrs. Blossom Rosamond	LAS		† St. Elmo
Patterson, Buthen Bruce	SS	138½	Huston, Texas
Patterson, Donald William	PreL	26½	* † Streator
Patterson, Faye	SS		Argentina
Patterson, Harold LaVergne	ME	77	* † Joliet
Patterson, John Sutton	Bus	12	* † Mt. Carroll
Patterson, Nera McCalpin	LAS (SS)	120	* † Robinson
Patterson, Oliver Stewart	CE		* † Fall River, Massachusetts
Patterson, Oral Franklin	PreM unc (SS)	22	* † St. Elmo
Patterson, Richard Arnold	REE	48½	* † Chicago
Patterson, Roy Lee	PreM		* † Norris
Patterson, Robert Tudor	Bus		* † Chicago
Patterson, Ruby V	SS		LeRoy
Patterson, Ruth Jane	Bus	28	* † Champaign
Pattison, Donald McClure	Agr	118½	* † Wilmette
Pattison, Eugene Melvin	Bus	8	* † Wilmette
Pattison, Richard Henry	Agr	105	* † Monmouth
Patton, Anna Marie	LAS	117½	* † Bridgeport
Patton, Franklin Koben	Bus	91	* † Chicago
Patton, James Earl	Bus		Monticello
Patton, Lula May	HEAgr	32	* † Monticello
Patton, Wilbur Andrew	Bus	35	* † Bridgeport
Paul, Albert Henry	Bus		* † Carlinville
Paul, Austin Joseph	CerE	68	* † Chicago
Paul, Mary Josephine	SS	98¾	Jerseyville
Paul, Olive Dorothy	HELAS	63	* † Peoria
Paulson, Clarence Emanuel	Eng	33	* † Kenmare, North Dakota
Paxson, Milliard Adelbert	Bus		* † Kansas City, Missouri
Paxton, Albert Elwyn	Bus	79	* † Chicago
Paxton, Glenn Gilbert	Law	28	* † Golden
Paxton, Lester Robert	PreM		* † DuQuoin
Paxton, Margaret Virginia	Jnl	63¾	* † St. Joseph, Michigan
Payes, Lester William	ChE	59	* † Chicago
Payne, Adriel Barton	AC	30	* † Kirkwood, Missouri
Payne, Hazel Pauline	LAS	40	* † Shelbyville, Missouri
Payne, Pearl Penelope, A. B., 1903, Ph. B., 1911	Lib		* † Vermillion, South Dakota
Payton, Arthur David	Bus (SS)	99	* † Urbana
Payton, Marvin Alfred	Bus	20	* † Chicago
Peabody, Reba Aline	LAS	31	* † Urbana
Peabody, Ruth Dorothy	Bus		* † Urbana
Peake, Charles Orlando	LAS	106	* † Jacksonville
Pearce, Dwight	LAS	100	* † Indianapolis, Indiana
Pearce, Everett L	Agr		† Champaign
Pearce, Milton Oscar, Jr.	SS		Philadelphia, Pennsylvania
Pearce, Roger Vincent	Jnl	79	* † Chicago
Pearcy, Ruby Dean	LAS unc	34	* † Carmi
Pearman, Ralph David	Bus	65	* † Paris

Pearsall, Raymond Marvin	Bus	79	* † Elgin
Pearson, Edmund Lester	ChE	16	* † Utica
Pearson, Howard Nelson	Bus	100	* † Delavan
Pearson, Theodore Malcolm	Bus		* † Hinsdale
Pearson, Warner Macaulay	AE	72	* † Chicago
Peasley, Richard Lawrence	Agr	87	* † Stronghurst
Peck, Claribel Edna	LAS	106	* † Harvard
Peck, Estella	LAS	116	* † Chenoa
Peck, Junius Maxwell	Bus		* † Western Springs
Peck, Laura A, A.B., 1904	Lib	36	* † Syracuse, Nebraska
Peck, Roland B	AC		* † Champaign
Peck, Ruby	HELAS	99	* † Chenoa
Peck, Spray	LAS	42	* † Raymond
Peden, Don Charles	AC	100½	* † Kewanee
Peebles, Carter Davis	LAW (SS)		* † Carlinville
Peebles, Don McClure	Law	56	* † Carlinville
Peef, Peter Costoff	ME	134	* † Bermantzi, Bulgaria
Peel, Jesse Aldred	Ac (SS)	110½	* † Taylorville
Peet, Harold Lewis	IA	66	* † Woodstock
Peglow, Ervin Julius	Eng		* † Chicago
Pegram, Pauline D	LAS		* † Canton
Pehlman, Joseph Elmor	Bus		* † Springfield
Peirce, Logan Fletcher	IA	67	* † Chicago
Pelikan, Helen Marie	Bus		* † Oak Park
Pellouchoud, Bessie Virginia	LAS (SS)	11½	* † Odell
Pelton, Leverett Lyndon	EE	86½	* † Olmsted Falls, Ohio
Pemberton, Bess Belle	SS	66	* † Harrisburg
Pembrake, Mrs. J E	SS		* † Champaign
Pence, Dwight	PreM		* † Pana
Pence, Helen Meyer	SS	130	* † Harvard
Penewitt, Paul Slocum	PreL	28	* † Springfield
Penniman, William Leon	IA	73	* † Normal
Pennington, Lester E	Bank	48½	* † Kansas City, Missouri
Pentecost, Richard Hill	Bus	96	* † Elmhurst
Pepper, Thomas Frederick	Bus		* † Far Rockaway, New York
Pepple, Lloyd Vivian	SS	34½	* † Belle River
Perardi, Frank	LAS (SS)	62½	* † Farmington
Perbix, Leland Elmer	Agr	35½	* † Markham
Perdue, Ralph Peaslee	LG	28½	* † Chicago
Pergande, Otto	Agr		* † Brookport
Perkins, Bryant Elias	SS	4	* † Wilberforce, Ohio
Perkins, David Homer	Accy	71	* † Paris
Perkins, Dow Wilmar	RA	32	* † Freeport
Perkins, Philip Powell	Chem	96½	* † West Chicago
Perlman, Samuel Lyon	LAS	81	* † St. Louis, Missouri
Perrett, Robert Arthur	ME		* † Oak Park
Perrill, Willard Hugh	Agr	32	* † Bloomington, Ohio
Perrin, Theodore Leslie	Bank		* † New Hartford, Iowa
Perrine, Earl Sams	EE		* † Anna
Perrine, Laurena	HELAS	106½	* † Anna
Perry, Lilburn Pleasant	SS	59	* † Chester
Perry, Thomas Laemon	IA (SS)	103	* † Johnston City
Peryman, Delmar Dexter	SS	62	* † Thompsonville
Pesmen, William	Accy	63	* † Kansas City, Missouri
Pester, Clifford Stanley	Eng		* † Grays Lake
Peters, Chester Louis	IA	29	* † Chicago
Peters, Christopher Snigdham	ChE	126	* † Travancore, India
Peters, Reinhold Max	Bus	30	* † Waterloo, Iowa
Peterson, Andrew Oley	Bus		* † Dwight
Peterson, Annette Gladys	Bus		* † Gary, Indiana
Peterson, Charles Melville	CL	64	* † Chicago
Peterson, Dorothy Elizabeth	LAS		* † Chicago
Peterson, Franklin	SS	94	* † Brownstown
Peterson, Hobart Samuel	AE		* † DeKalb
Peterson, Ivan Lorenza	ME (SS)	85	* † Galva
Peterson, John Willard	ME	122½	* † Moline
Peterson, Leonard Nels	Bus	102	* † Loda
Peterson, Maurice Winfield	SS	146½	* † Champaign
Peterson, Neva Dean	LAS	97	* † Haskell, Oklahoma
Peterson, Rudolph Earl	ME	41	* † Rockford
Peterson, Walter Bernard	LAS	96	* † Chicago
Peterson, Winfield Andrew	EE		* † Peoria
Petroshios, Albin Alexander	PreM	7	* † Rockford
Petrulis, Bruno Stanley	Agr (SS)	72	* † Chicago
Petersen, Herbert Christian	REE	73	* † Chicago
Pettigrew, Robert McLean	Bus		* † Oak Park
Pettigrew, Steward William	Bus	90½	* † Oak Park
Pettis, Irving McFarland	Bus	67½	* † Evanston
Petty, Manley Ross	SS	160	* † Lawrenceville
Pfazelzer, Leonard Lehman	Bus		* † Chicago
Pfeifer, Reuben John	AE (SS)	70	* † Sheboygan Falls, Wisconsin
Pfeifer, Walter James	SS	8½	* † Galion, Ohio
Pfeiffer, Arthur Edwin	ME	109	* † Edwardsville
Pfeiffer, Frederick Lyle	Bus	71	* † Centralia
Pfeiffer, Homer Fay	Arch	68½	* † Kansas City, Kansas

Pfeiffer, Wilbur Henry	CerE	73	* †	Edwardsville
Pfister, Theodosia Caroline	LAS	33	* †	Chicago
Pfager, Philip Arthur	SS	34		Chicago
Pfutzenreuter, Edwin Maurice, B.A., 1919	Lib		* †	Hecla, South Dakota
Phalen, Francis Joseph	IEd (SS)	102 $\frac{5}{6}$	* †	Allerton
Phelps, Edmund Strother	LAS	108	* †	Kenilworth
Phelps, Eugene Vincent	FC	31 $\frac{1}{2}$	* †	Carlinsville
Phelps, Gray	LAS	33	* †	Oak Park
Phemister, Harry Ivanhoe	EE		* †	Carbondale
Phillippi, Fred Otto	RT	29 $\frac{1}{2}$	* †	Chicago
Phillips, Andrew Sheldon	Arch	127	* †	Mattoon
Phillips, Arno Howard	FC	60	* †	Chicago
Phillips, Elizabeth	LAS	60	* †	Oskaloosa, Iowa
Phillips, Erna	Ed	76	* †	Chicago
Phillips, Harriet Muriel, B.S., 1919	Agr irr		* †	Saugatuck, Michigan
Phillips, Helen Marie	LAS		* †	Clinton
Phillips, Marion Winifred	CCS	58	* †	Chicago
Phillips, Mary Dodds	Mus unc	11 $\frac{3}{4}$	* †	Urbana
Phillips, Vernon Adelbert	SHA Agr	27	* †	Lostant
Phipps, Horace Torence	Bus	33	* †	Kansas
Pick, Sylvia Jual	Bus		* †	Chicago
Pickens, Helen	Ed	60 $\frac{1}{2}$	* †	Vienna
Picker, Rita	LAS	69 $\frac{3}{4}$	* †	Assumption
Picker, Thomas	Bus	64	* †	Chicago
Pickett, Arthur David	Arch	66	* †	Brazil, Indiana
Pickett, Gladys Adele	LAS	63	* †	River Forest
Pickles, Lola Kathryn	HEAgr		* †	Gardner
Pierce, Catherine	LAS		* †	Chicago
Pierce, Eurenne Howard	LAS		* †	Princeton
Pierce, William Kenyon	CE	31	* †	Urbana
Pierson, Gordon Greene	SS	132 $\frac{3}{4}$		Indianapolis, Indiana
Pierson, Irene Dorothy	LAS	32	* †	Argenta
Pieters, Dorothy Dix	LAS	31 $\frac{3}{4}$	* †	Chicago
Pifer, Charles D	LAS	66	* †	Elkhart, Indiana
Pigall, Anna Josephine	LAS	101	* †	Chicago
Pigall, Elizabeth Kerns	LAS	97	* †	Chicago
Piggott, Aubrey Dent	LAS	29	* †	Chicago
Pighetti, John Constantine	CE	60 $\frac{1}{2}$	* †	Chicago
Pike, Robert James	Bus		* †	Aurora
Pillow, Mary Eileen	SS			Johnston City
Pilon, Opal Juliette	LAS			Champaign
Pinekney, Howard Nelson	IA	70	* †	Fort Smith, Arkansas
Pink, Dorothy Delphine	LAS	16	* †	Chicago
Pink, Meyer David	IA	63 $\frac{1}{2}$	* †	Chicago
Pinkel, Leland Armin	Bus (SS)	88 $\frac{1}{2}$	* †	Collinsville
Pinkerton, William Russell	SS	74		Bluffs
Pinkley, George Davison	LAS	90 $\frac{1}{2}$	†	Gibson City
Pinkstaff, James Tilden	CE unc (SS)	27	* †	Lawrenceville
Pinnell, Horace Crawford	Agr	24	* †	Kansas
Pinney, Charles Joseph	Bus		* †	Kewanee
Pircher, Frances	SS	9		Witt
Piser, Beatrice Myrtle	LAS	16	* †	Chicago
Piser, Ralph Stanley	ME	35 $\frac{1}{2}$	* †	Chicago
Pitman, Mary Louise	LAS	100	* †	Logansport, Indiana
Pitrat, Lelia Maude	HELAS		* †	Urbana
Pittser, Chester Matthias	Ed unc	103	* †	Gunnison, Colorado
Planck, Arthur F, Jr.	Bus	106	* †	Chicago
Plato, Raymond A	AC	44	* †	Anthon, Iowa
Platt, Stephen Alfred	ME		* †	Decatur
Player, John Milton	Agr	64	* †	West Chicago
Plumleigh, Thomas Norman	REE		* †	Pittsfield
Plummer, Allison Oliver	Ed (SS)	77 $\frac{1}{2}$	* †	Champaign
Plummer, Frances Bennock	LAS unc		* †	New York, New York
Plummer, Lawrence Moore	Bus		* †	Wheaton
Plunkett, Creel Braden	LAS		* †	Newton
Plunkett, Pius Paul	Agr (SS)	123 $\frac{5}{6}$	* †	Palestine
Poag, Benjamin Gordon	ChE	17 $\frac{1}{2}$	* †	East Alton
Podesta, Roy Anthony	MinE	71	* †	Chicago
Podlesak, George Joseph	IA	73	* †	Chicago
Poggensee, Claire Adele	LAS	63	* †	Chicago
Poindexter, Gabriel Garner	LAS	101	* †	Indianapolis, Indiana
Pol, Leontine	LAS	26	* †	Urbana
Polen, Gertrude Margaret	HELAS	66	* †	Indianapolis, Indiana
Polk, Mary Agnes	LAS	23	†	Urbana
Pollard, John Garuey	SS	8		Oakland
Pollitt, Basil Henry	PreL		* †	Urbana
Pollitt, Ida Marie	LAS	26	* †	Urbana
Pollitt, Russell Lowell	Agr	101	* †	Urbana
Pollock, Alfred Wolf	Bus		* †	Fort Smith, Arkansas
Pollock, David Daniel	Bus	30 $\frac{3}{4}$	* †	Chicago
Pollock, James Stuart	Bus	101	* †	Kewanee
Pollock, Loring Fox	Bus	32	* †	Dubuque, Iowa
Pollock, Milton	CE	12	* †	Chicago
Pollock, Ruth Agnes	LAS		* †	Palatine
Pomeroy, Harriet Barrington	LAS	32	* †	Urbana

Pomeroy, Joseph Oliver	Bus		* Carmi
Pond, Bertram Phillips	ME	35	* † Chicago
Pond, Seymour Gates	LAS	76½	* † Chicago
Ponting, Theophilus Carl	AC	8	* † Stonington
Ponzer, Ernest DeWitt	EE		* † LaMoille
Poole, Mrs. Grace D	LAS unc (SS)	3	* † Waltonville
Poole, Maeryta Daniel	Mus (SS)	121	* † Champaign
Poon, Tse Jin	MSE (SS)	30	* † Shangpur, China
Poor, Russell Spurgeon	LAS	101½	* † Hamilton, Missouri
Popel, Bernard Benjamin	Jnl	66½	* † Chicago
Popken, Roland Henry	IA	67	* † Oak Park
Populorum, Philip Alexander	Bus	99½	* † Zion City
Poretsky, Hymen Lewis	LAS	39	* † Waukegan
Porter, David Quigg	Agr (SS)	48½	* † Chicago
Porter, Mrs. Flora May	Agr unc	87½	* † Urbana
Porter, June	HELAS		* † Chicago
Porter, Lester Gilbert	Bus	28	* † Peotone
Porter, Lillian Keller	Bus unc		* † Champaign
Porter, Wayne	FC (SS)	69	* † Garden Prairie
Porterfield, Philips David	LAS	35	* † Fort Wayne, Indiana
Potter, Frances Endora	LAS	98½	* † Champaign
Potter, Glenn Everett	AC	72	* † Orange, California
Potter, Jessie Louise	Mus	31	* † Champaign
Potter, Kathryn Wilder	LAS (SS)	98	* † Champaign
Potter, Merwin Elwood	AC		* † Serena
Potter, Paul Milton	Agr	85½	* † Champaign
Potter, Vervadeen	LAS (SS)	30	* † Kinmundy
Pottlitzer, Leo	Bus		* † Lafayette, Indiana
Potts, James Garrett	Bus	15	* † Raymond
Potts, Orie Alfred	Agr		* † Taylorville
Pound, Dorothy	LAS		* † Litchfield
Powel, Roland Nelson	ME	67	* † Jerseyville
Powell, Chester Rawlings	Agr		* † Canton
Powell, Clara Mae	HELAS (SS)	19	* † Champaign
Powell, Ennis Lowry	SS	8	* † MacDonald, West Virginia
Powell, George Robert	ED	74½	* † Canton
Powell, Milton Edward	Agr		* † Chicago
Power, Alan Lee	LAS	34½	* † Indianapolis, Indiana
Powers, Florence Elizabeth	LAS		* † St. Louis, Missouri
Powers, Frank Beverly	EE		* † Chicago
Powers, Gladys Margaret	Mus	7	* † Marinette, Wisconsin
Poyser, Gail Kenneth	SHAEd (SS)	118½	* † Waukegan
Pramann, Frederick William	AC	20	* † South Haven, Minnesota
Prather, Charles Lee	SS	8½	* † Charleston
Prather, Vernon Dewey	Agr	113	* † Urbana
Pratt, Gladys Ford, B.A., 1914	Lit	6	* † Westfield, Massachusetts
Pratt, Harry Edward	AC	106	* † Cambridge
Pratt, Henry Albert	Agr		* † Virginia
Pratt, Mary Rebekah	LAS	66	* † Mt. Carroll
Pratt, Owen Eugene	Agr	53½	* † Armington
Pratt, Raymond Gilmore	AC	60	* † Galva
Prawl, John D	SS		* † Severance, Kansas
Preble, Donald Gay	LAS	62	* † Kokomo, Indiana
Preble, Kenneth Jackson	Bus	27	* † Oak Park
Preigh, Jack Diaz	Bus		* † La Grange
Presler, Edrie Mildred	PreL		* † Aurora
Preston, Victor Reid	ME (SS)	20½	* † Champaign
Preston, William Thomas	Bus	33	* † Oak Park
Prettyman, Helen Frances	LAS	31	* † Champaign
Preucil, Alice	LAS	34	* † Oak Park
Preucil, Mildred	LAS	33	* † Oak Park
Prewitt, Floyd Earl	Bus	87	* † Urbana
Price, Arthur Jerome	Lav		* † Grant Park
Price, Charles Courtland	CE	36	* † Litchfield
Price, Clem Wilson	Bus	60	* † Richmond, Indiana
Price, Frederick Howard	Bus	25½	* † Indianapolis, Indiana
Price, Galen Royer	SS	131	* † Polo
Price, Hollis William	CE	26	* † Muskogee, Oklahoma
Price, Leon A	SS	6½	* † Loraine
Price, Ralph Adolph	Ins	50½	* † Richmond, Indiana
Price, Richard Mandeville	LAS	32	* † Chicago
Price, William Francis	PreL	30	* † Streator
Pritchard, William Townsend	Accy (SS)	86%	* † Champaign
Priebe, Otto John	LG	31	* † Charles City, Iowa
Priestley, Kathryn Sarah	SS	7	* † Monticello
Pritchard, George Harrison	SS	15	* † Germantown, Ohio
Pritchett, Everett Howard	PreM		* † Mt. Carmel
Proctor, Garfield Dickson	Eng		* † Highland Park
Proctor, Herbert Alexander	LG		* † Milwaukee, Wisconsin
Proctor, Paul Arthur	Chem		* † Rockford
Proctor, Philip William	SS	11½	* † Kearney, Nebraska
Proctor, Richard Willis	Bus	36	* † Chicago
Prosser, Edward Thomas	Bus	87½	* † Chicago
Prouty, John Donald	AE		* † Evanston
Pruden, Bradley	EE		* † Wilmette

Pruett, Francis Gordon	FC	30	* † Kimmunity
Pruett, John Howell	LAS	62	* † Harrisburg
Pruitt, Frederick Henry	LAS	31½	* † St. Louis, Missouri
Prusha, Frederick Romain	SS	15½	* † Cedar Rapids, Iowa
Psotta, William	SS	70½	* † Clarkson, Nebraska
Puderer, Philip Cyril	LG	41	* † Belleville
Pugh, Ralph Levi	Agr		* † Ridgefarm
Pullen, Edith Maude	Mus		* † Alma
Pullen, John Thomas, Jr.	AE		* † Memphis, Tennessee
Puls, Edwin Ernest	EE	18½	* † Hoskins, Nebraska
Punke, Harold Herman	Agr	70	* † Elliott
Puntambeker, Shripati Venkatesh	ChE	118	* † Poona City, India
Purcell, James Sheldon	AE	69½	* † Chicago
Purdunn, Carson Mayer	PreL		* † Marshall
Purdy, George William	AC		* † Castile, New York
Pursell, Florence Bryant	HELAS	114½	* † Urbana
Pursell, Leonard Dinsmore	Agr		* † Pinckneyville
Purtell, John Francis	Agr	28½	* † DuQuoin
Putnam, Russell Eugene	Bus		* † Harvard
Pyatt, Robert Raymond	SS	16¾	* † Pinckneyville
Pyke, Don O'Conner	Bus	114	* † Peoria
Pyle, Claude Wilson	Jnl	8	* † Urbana
Pyle, Wendell Amyas	EE (SS)	72	* † Carmi
Pyper, Philip Milton	Bus (SS)	30	* † Pontiac
Quackenbush, Bradford Hills	CE		* † Aurora
Quade, Maurice Northrop	CE	37	* † Kewanee
Qualls, Neva Louise	LAS		* † Hillsboro
Quatman, Ida Helen	SS	6½	* † Allamont
Quealy, Philip James	Jnl		* † Fort Dodge, Iowa
Queen, William Robert	Agr	99½	* † Loami
Questel, David Dewitt	Agr		* † Carmi
Quick, Gilbert Franklyn	LAS		* † Chicago
Quick, Marion Emma	LAS		* † Maywood
Quillan, Bennett Bruce	Bus	62	* † Chicago
Quillman, Frank L	PreM	47	* † Benton
Quinlan, Josephine Cecilia	SS	130½	* † Pesotum
Quinn, Francis Jones	Bus	72	* † LaFayette
Quinnette, William Henry, Jr.	Bank	61½	* † Lawton, Oklahoma
Quinsey, Donald Leroy	Accy	69	* † Yorkville
Rabe, Margaret Elizabeth	LAS	38	* † Maywood
Rabenhorst, Harry Aldrich	SS	7½	* † Baton Rouge, Louisiana
Rabinowitz, Edwin	EE		* † Maywood
Racine, Hugh Clark	FC (SS)	102	* † Urbana
Racine, Roy Charles	LAW (SS)		* † Urbana
Radeke, Alfred Frederick	Bus	96	* † Kankakee
Radecan, Thomas Francis	SS	12½	* † Joliet
Radle, Gale Patton	Agr	28	* † Ottawa
Radtke, Stephan John	SS	130½	* † Avilla, Indiana
Rady, Sam Palmer	CE	28	* † Gibson City
Rafferty, Keen Alexander	LAS	58	* † Robinson
Raffin, Philip Jordan	Agr	67	* † Chicago
Raffi, Alberta	Arch	111	* † Red Bud
Raffi, Elizabeth Mary	LAS	26	* † Red Bud
Raffi, Rosalia P	LAS		* † Red Bud
Raggio, Maynard Holding	SS	148½	* † Chicago
Rago, John Batiste	PreM	21	* † Melross Park
Ragsdale, Ralph Waldo	Agr	49	* † Yates City
Rabe, Herbert Edgar	LAS		* † Villa Grove
Rai, Narabhoop	LAS	49½	* † Bengal, India
Rainer, Edward Munroe	Bus	13½	* † Danville
Rainer, McKee	LAS	27	* † Danville
Raines, Lester Courtney, A.B., 1918, A.M., 1920	SS	2	* † Champaign
Rainey, Helen Edna	Mus	67	* † Mt. Vernon
Rainey, Lloyd	Accy	101	* † Benton
Rakow, Walter Mattins	Bus	112	* † Dundee
Rall, Hans Robert	CE	119	* † Chicago
Ralston, Albert Alexander	EE	110¾	* † Rockford
Ramadanoff, Dimitir	EE	111	* † Sofia, Bulgaria
Ramaso, Wenceslao P	SS		* † Nueva, Philippine Islands
Ramey, Harry	Bus		* † Carlinville
Ramsay, Ruth Romilda	SS	17	* † Dana
Ramser, Joseph Retz	Bus	69	* † Urbana
Ramser, Marie Louise	Bus	31	* † Urbana
Ramsey, Edward Allen	EE		* † Assumption
Rand, Albert LeRoy	Bus		* † Wilmette
Randall, Frank Austin	Agr	82½	* † Brookfield
Randall, Glenn Seymour	Agr	35	* † Scotland
Randall, Harold LaVerne	Bus	26½	* † Morris
Randall, Ralph Edward	Bus		* † Indianapolis, Indiana
Randolph, Charles Ethelbert, B.S., 1922	SS	132¾	* † Onaga
Randolph, Fred Travis	LAS		* † Elkhart, Indiana
Randolph, John Fritz	Agr		* † Canton
Rane, Alice Lucile	Bus		* † Crystal Lake
Ranes, Raymond Shields	AC		* † Jacksonville

Raney, Gorman	Bus		* † Kansas City, Missouri
Rankin, Esther Byrle	Bus (SS)	73	* † Champaign
Rankin, Susan Jane	LAS		* † Athens
Ranney, Ralph Richard	SHAEd	104	* † Cazenovia
Ransdell, Samuel Allen	SS		* † Kansas City, Missouri
Ransdell, Thomas Fred	AC		* † Champaign
Raper, Helen	SS	11½	* † Versailles, Indiana
Raphaelson, Lily Ruth	LAS unc	46	* † Chicago
Rapp, Mrs. Esther Hulling	LAS	100½	* † Urbana
Rapp, La Verne	Bus	114½	* † Chicago
Rarick, Hazel Daisy	HEAgr	13	* † Urbana
Rasmus, Ethel Genevieve	Mus	63	* † Cherokee, Iowa
Rasmussen, Russel Nelferd	LG		* † Millington
Rasmussen, Anker Molkjar	EE	75	* † Taastrup, Denmark
Rasmussen, Edvald Lawrence	Bus	110	* † Chicago
Rasmussen, Howard Emmett	Bus	27	* † Maywood
Raster, Alfreda	Ed	79½	* † Chicago
Raster, Hermann	Agr		* † Chicago
Ratliffe, Myron Fenwick	FC	32	* † Evanston
Rathburn, Rowland	Arch	35	* † Glen Ellyn
Ratsek, John Carl	Flor	8	* † Chicago
Ratzesberger, Anna Stimpson	LAS	62	* † Milford
Ratzesberger, Louise	HELAS		* † Milford
Rau, Della Blanche	HELAS	60	* † Blue Mound
Rawlin, Alta Elizabeth	Ed	100	* † Kanerville
Rawlings, Charles Henry	AC		* † Hartford City, Indiana
Rawlins, Roderick King	PreM	26	* † Hinsdale
Rawley, Manohar Lal	Bank	105	* † Punjab, India
Ray, Glenn Raymond	PreM		* † Sullivan
Ray, Robert Vernon	EE	128	* † Arthur
Ray, William Clarence	LAS	59	* † Decatur
Rayburn, French Rose	HELAS		* † Chicago
Rayney, John William	Chem		* † Oak Park
Rea, Franklyn Chester	PreL		* † Benton
Rea, James Russell	AC	34	* † Paterson, New Jersey
Reamer, Richard S	IA	70	* † St. Louis, Missouri
Reardon, Martha Jane	SS	6	* † Mansfield
Reaugh, Nette Lou	LAS		* † Mackinaw
Reber, James Watt	Bus		* † Wheaton
Rebhan, Howard Henry	Agr	84½	* † Raymond
Records, Irene	HEAgr	16	* † Champaign
Reddick, Willis Carol	Jnl		* † Clinton
Redman, Benjamin Rice	SS	8	* † Illinois
Redules, Alexander Anthony	EE	36	* † Westville
Reece, Howard	IA		* † Joliet
Reed, Alfred Major	IA		* † Anderson, Indiana
Reed, Collins Bert	Agr unc		* † Chicago
Reed, Frank Miller	Bus	20½	* † Chicago
Reed, John Chester	SS	8	* † Carnegie, Oklahoma
Reed, James Lowell	CL	117	* † Eldorado
Reed, Playford White	AC		* † Pittsburg, Kansas
Reed, Sarah Almeda	LAS	100	* † Sullivan, Indiana
Reeder, Fred Nelson	LAS	99	* † Clinton, Indiana
Reese, Harry Cook	Bus	4½	* † St. Joseph
Reetz, Carl Godfried	CE	108	* † Charles City, Iowa
Reeve, James Thomas	SS	12½	* † Hillsboro, Iowa
Reeve, Lloyd Eric	Jnl	26	* † LaSalle
Reeves, Dorothy Lois	LAS		* † Linton, Indiana
Regnier, Walter Ovid	SS	6½	* † Beaverville
Rehling, Armin John	Agr	32	* † Waterloo
Rehm, Arthur Charles	Eng	32	* † Oak Park
Rehm, Edna Marjorie	LAS		* † Oak Park
Rehm, Lois Adeline	LAS	33	* † Oak Park
Rehnquist, Vivian Nathaniel	CE	106	* † Chicago
Reich, James Arkle	Agr	37	* † Versailles
Reich, Walter Jacob	PreM	36	* † Chicago
Reich, William Robert	SS	8	* † Champaign
Reichle, Richard Wendell	Bus	120½	* † Beason
Reichelt, Dorothy	Ed	60	* † Deerfield
Reichman, Abraham	PreM		* † Watseka
Reid, Clifford Finley	PreM	35	* † Sparta
Reid, Emily Cleda	SS	103	* † Albion
Reid, George Lofgren	Bus		* † Chicago
Reid, Jessie Adaline, B.S., 1914	Lib	37	* † Rockford
Reid, Lorena Grace	HEAgr	67	* † Albion
Reid, Prentiss Edgar	SS	118	* † Sparta
Reid, Stephen Holland	CE		* † Chapin
Reif, Richard Emil	CerE	49½	* † Oak Park
Reif, Selena Barbara	HELAS	33	* † Oak Park
Reiman, Russell Andrew	LG	76	* † Wooster, Ohio
Reinboth, John Franklin	LAS (SS)	106½	* † Springfield
Reinertsen, Don Zeigler	CE		* † Milwaukee, Wisconsin
Reinhardt, Emma	LAS	73½	* † Pittsfield
Reisch, Jacob Edgar	PreM		* † Springfield
Reitz, Edward John	ME	93	* † Eggertsville, New York

Remington, Owen Joseph	Jnl	31½	* †	Menominee, Michigan
Remley, Mary Frances	LAS		* †	Crawfordsville, Indiana
Remund, Milo Otis	SS			Weatherford, Oklahoma
Renfer, Anna Margaret	LAS		* †	Forest Park
Renfro, Eva Marie	LAS	81½	* †	Collinsville
Rennen, Mary Elizabeth	Jnl		* †	Chicago
Renner, Edna Louella	LAS	65	* †	Urbana
Renner, Maynard Shelley William	LAS	69	* †	Joliet
Rennoe, Edgar Jackson	Bank	108½	* †	South Bend, Indiana
Reno, Russell Ronald	PreL		* †	Oak Park
Renwick, Frank Edward	Bus		* †	Joliet
Resek, Ephriam Frederick, Jr.	Chem	68	* †	Fort Collins, Colorado
Retherford, Mrs. Suzanne Zartmen	LAS (SS)	95½	* †	Urbana
Rethorn, Eula Louisa	Ed	74½	* †	Chandlerville
Rettenmayer, Clyde	EE		* †	Loup City, Nebraska
Reuss, Charles Arthur	Bus		* †	Chicago
Rew, Ina Marcelain	Mus	56	* †	Metropolis
Rex, George Edward, Jr.	EE (SS)	8	* †	Kansas City, Missouri
Reyer, Charlotte	LAS	33	* †	Indianapolis, Indiana
Reyes, Zailo R	SS	6		Maragonbon, Philippine Is.
Reynerton, George Dewey	SS	148½		Chicago
Reynolds, Albert Henry	ChE	120	* †	Forest Park
Reynolds, George Thomas	ME	5½	* †	Sheldon
Reynolds, Harry Allen	IA	110½	* †	Chicago
Reynolds, Herbert Kenneth	Bus	69	* †	East St. Louis
Reynolds, Hugh E	PreL	104	* †	Champaign
Reynolds, James Carroll	Bus	91	* †	Mattoon
Reynolds, Mabel Frances	LAS		* †	Champaign
Reynolds, Meredith Bernice	SS	5		Miami, Florida
Rhea, Gilbert	SS	7½		Clayton, Indiana
Rhines, Merle Allison	LAS		* †	Marseilles
Rhoades, Elizabeth	LAS	64	* †	Delavan
Rhoades, Ferne Emma	SS	6		Newton
Rhodes, John Charles	Bus		* †	Chicago
Rhodes, William Addison	Bus	102¾	* †	Starwood, Iowa
Rice, Mrs. Carrie Marie	SS	2		Urbana
Rice, Frederick Leland	Bus	99	* †	Aurora
Rice, John Leo	Agr	67	* †	Bridgeport
Rice, Lois Marie	LAS (SS)	90	* †	Worden
Rice, Louise Trevey	LAS	66	* †	Rockville, Indiana
Rice, Miriam Delva	LAS	31	* †	Oak Park
Rice, Norman Lewis	LAS		* †	Aurora
Rice, Walter Orville	EE		* †	East Moline
Rice, Warner Grenelle, A.B., 1920, A.M., 1922	SS			Aurora
Rice, William Taylor	Bus unc (SS)	38½	* †	Sidell
Rich, Albert Dyckman	ChE	35	* †	Chicago
Rich, Barrett Galloway	ME	37	* †	Chicago
Rich, Edward Corydon	Bus	46	* †	Keokuk, Iowa
Rich, Francis Marion	ME	73	* †	Chicago
Richards, Clara Ethel	SS	17		Chrisman
Richards, Daisy Leona	LAS	104	* †	Buchanan, Michigan
Richards, Edward John	IA	67	* †	Glencoe
Richards, Harland	LAS		* †	Champaign
Richards, Robert Kenneth	AC		* †	Springfield
Richards, Sidney Jerome	AE	69½	* †	Columbus, Ohio
Richardson, Henry Johnson	Bus		* †	Chicago
Richardson, Ralph Lewis	EE	78½	* †	Rockford
Richart, Ralph Robert	EE		* †	Carterville
Richeson, Alice Eliza	LAS	100	* †	St. Louis, Missouri
Richey, Juanita Poe	Mus	101	* †	Palestine
Richey, Mary Dorothy	SS	46		Palestine
Richey, Mildred Nancy	SS	60		Laurens, Iowa
Richie, Harold Benjamin	Agr	30	* †	Georgetown
Richmond, Donald Dewey	LAS	34½	* †	Lacon
Richmond, Joseph Hale	CE	113½	* †	Chicago
Richmond, Park	Bus		* †	Oak Park
Richbell, Raymond Earl	Accy (SS)	52	* †	Cavalier, North Dakota
Ricker, Elwin Oscar	SS	8		Huron, South Dakota
Rickman, John William	LAS	24½	* †	Rainbow, Texas
Riddle, Velma Grace	HELAS		* †	LeRoy
Ridge, Paul Arthur	AC		* †	Connersville, Indiana
Ridinger, Charles Cyril	Bus	20	* †	Saunemin
Ridlen, Herman	LAS (SS)	94	* †	Willow Hill
Riek, August Otto	AC		* †	Maplewood, Missouri
Riese, Hazel Fern	Bus	150½	* †	Bloomington
Riffer, Harold Floyd	AC	2¾	* †	Severance, Kansas
Riggle, Lyman Curtis	CE	56	* †	Flora
Riggs, Richard Martin	AC		* †	Atwood
Rindell, John Harmon	Bus	102	* †	Wilmette
Riney, Charles Edward	Vsp		* †	Gays
Ring, George Francis	AC	80½	* †	Chicago
Rinker, Harvey Willard	Agr	60	* †	Grand Ridge
Riordon, Robert Barton	Bus	29	* †	Fulton
Rising, John Daniel	Accy (SS)	114½	* †	Champaign

Ritchey, Arthur Aaron	SS	6	Wisconsin Rapids, Wisconsin
Ritchie, Cyril Brown	PreM		* † Hagerman, Idaho
Rütt, Arthur Carl	AC	92	* † Crystal Lake
Rütter, August Herman	ME	71	* † Shermerville
Rütter, Harry Raymond	LAS	127½	* † Memphis, Tennessee
Rütter, Verne William	CerE		* † Olney
Roach, Alden Gallup	CE	100½	* † St. Louis, Missouri
Roach, Mrs. Dorothy Bergfeld	Jnl	39	* † St. Louis, Missouri
Roach, Harry Fay, Jr.	LAS (SS)	97½	* † St. Louis, Missouri
Roan, Charles Frederick	SS	61½	Chicago
Roark, Dorothy Rose	HELAS	138	* Bushnell
Roark, Edward John	LG	28½	* † Bushnell
Roark, Kathryn Rosemary	LAS	90	* † Bushnell
Roat, Harold William	AE	36	* † Kankakee
Robb, Harry Martin	Bank (SS)	67½	* † Windsor
Robbin, Edward Isadore	PreL		* † Chicago
Robbins, Paul Philip	CE		* † Elmhurst
Roben, Leona Estella	Mus		* † Weldon
Roberson, Francis Rassieur	Arch	8	* † St. Louis, Missouri
Roberson, George Gale Vincent	LAS	36	* † Mound City
Roberts, Alice Erma	LAS	64	* † Joppa
Roberts, Beulah	SS	10	Urbana
Roberts, Ellen	LAS		† Chicago
Roberts, Frank Ebenezer, Jr.	EE	35	* † Fairfield
Roberts, Gilbert Jay	LAS	33	* † Oskaloosa, Iowa
Roberts, Henry Baker	PreM (SS)	39	* † Herrin
Roberts, LeVan	Jnl		* † Chicago
Roberts, Richard Weyer	IA		* † St. Louis, Missouri
Roberts, Robert Paul	SS	8½	Cissna Park
Robertson, Almira Janette	LAS	71	* † Sparta
Robertson, Everard Packard	EE	107	* † Jacksonville
Robertson, George Augustus, Jr.	Bus	8	* † South Bend, Indiana
Robertson, James Christian	Agr	34	* † Fowler
Robertson, Juanita May	LAS		* † Champaign
Robertson, Julia Frances	HEAgr		* † Barrington
Robertson, Mabel Rosalind	LAS	33	* † Marshall
Robertson, Margaret Jessie	HELAS		* † Rushville
Robertson, Rob Roy	SS	8½	Broken Bow, Nebraska
Robertson, William Alexander	SS	7½	Fort Gibson, Oklahoma
Robin, Sidney Leon	PreL	36	* † Chicago
Robinson, Alice Isabel	LAS	31	* † Oak Park
Robinson, Benjamin Dwight	Agr	70	* † Kansas
Robinson, Charles Bernard	Agr		* † Granville
Robinson, Donald Bruce	ChE	70½	* † Oak Park
Robinson, Elizabeth Jane	SS	16¼	Pittsfield
Robinson, Frank Clarence	CE (SS)	44	* † Joplin, Missouri
Robinson, George Germer	EE	73	* † Maywood
Robinson, George William	EE	39	* † Kansas City, Missouri
Robinson, Hugh MacKellar	ME	109	* † Chicago
Robinson, James Hill	EE	27½	* † Washington, D. C.
Robinson, John Clarence	LAS	15	* † Chicago
Robinson, John William	CE		* † Pittsfield
Robinson, Karl Frederick	LAS	34	* † Maywood
Robinson, Myra Zoe	SS	27	Pittsfield
Robinson, Ross Olin	Agr	105	* † Pittsfield
Robinson, Roy John	Accy	59½	* † Atlanta
Robinson, Sara E	SS	8	Washburn
Robinson, Wallace Samuel	Bus		* † Shobonier
Robinson, William Ballard, Jr.	Agr	93	* † Wilmette
Robinson, William Ernest	LAS (SS)	95½	* † Urbana
Robison, Mary Leslie	LAS	43	* † Pekin
Robison, Morris William	AC	44	* † Carlinville
Robson, William Henry	Bus irr		* † Watoga
Roche, Thomas Joseph	MinE	27	* † Chicago
Rock, Alice Adelia	LAS		* † Mansfield
Rock, Elinor May	LAS		* † Kansas City, Missouri
Rock, James Burnham S	IA	104	* † Kansas City, Missouri
Rocke, Gilbert Jacob	LAS		* † Peck, Michigan
Rode, Esther, B.S., 1922	Ed irr		* † Granite City
Rodebaugh, Victor Bryan	Accy	68	* † Greenup
Rodecker, Alfred Wilson	Arch	64½	* † Indianapolis, Indiana
Rodehauer, Gerald Ewing	PreL		* † Hurst
Rodenbush, Louis Charles	Bus		* † West Frankfort
Rodman, Lloyd Glenn	Agr		* † Mazon
Roe, Frank Chapman	CE (SS)	63	* † Chicago
Roe, Sterling Grant	Accy	35	* † Urbana
Roehm, Clifford Andrews	Bus	30	* † Washington
Roepe, Roland A	Bus	98½	* † Waterloo, Iowa
Roesch, Willard George	ME	35	* † Aurora
Roesch, Arthur Gerald	ChE	31	* † Michigan City, Indiana
Roesler, Joseph Alfred	EE	32½	* † Ashton
Roessler, Carl Emil	Accy	32	* † Chicago
Roettger, Walter Henry	Bus	66	* † St. Louis, Missouri
Roewade, Alger Goodwin	PreL		* † Chicago
Rogers, Adda Belle	LAS	103½	* † Harvey

Rogers, Clarence English	CE	69	* † Joliet
Rogers, Della Mae	LAS (SS)	7½	* † Urbana
Rogers, Frances Marian	SS	131	* † Table Grove
Rogers, Joseph Owen	LAS	54	* † Waseka
Rogers, Mary Josephine	Mus (SS)	120	* † Urbana
Rogers, Raymond Lyle	ME		* † Homer
Rogers, Richard Amos	FC	30	* † Chicago
Rogers, William Paul	Law		* † Bloomington
Rohde, Arthur John	CE	55	* † Chicago
Rokusek, Frank Edward	Bus	34	* † Omaha, Nebraska
Rolfe, Rial Edward	Bus	64½	* † Chicago
Rolleston, William Anthony	Arch	35	* † Perry, Iowa
Rollins, Berenice	LG	88	* † Kankakee
Rollins, Oatley	Bus		* † Kankakee
Rome, Robert Lee	Bus		* † Fisher
Romig, John William	ME	73	* † Kewanee
Romine, Vernon Montelle	CE	43	* † Tuscola
Ronalds, Lucille Nadine	LAS		* † Eldorado
Rood, Marguerite Ellen	LAS	61½	* † Grand Rapids, Michigan
Roos, Roy Emil	Bus	82½	* † Chicago
Ropp, Josephine Elizabeth	LAS	26	* † Geneseo
Rosaire, Carol Gwyn	Agr	103	* † Chicago
Rosales, Leopold	SS	66	* † Chicago
Rose, Alfred Royer	IA	31	* † Chicago
Rose, Freda Pearl	LAS (SS)	105½	* † Champaign
Rose, George William Paris	LAS		* † Springfield
Rose, James Anderson	EE	26½	* † Covington, Tennessee
Rose, Myron Potter	Bus	76½	* † Champaign
Rose, Robert Carl	Bus		* † Urbana
Rosebraugh, Esther May	HELAS	129½	* † Charleston
Rosen, Ainsley Harold	Bus	105	* † LaSalle
Rosen, Lloyd Charles	Agr	116½	* † LaSalle
Rosen, Mandel	Arch		* † Chicago
Rosenblaum, Dorothy	LAS		* † Chicago
Rosenberg, George Joseph	LAS	29	* † DuQuoin
Rosenberg, Joseph David	Bus		* † Chicago
Rosenblum, Harriet Muriel	LAS		* † Waukegan
Rosenbluth, Joseph K	IA	108	* † Chicago
Rosene, Robert Willard	Bus		* † Chicago
Rosenstein, Louis	EE	78	* † Chicago
Rosenstein, Milton W	CE	70	* † Chicago
Rosenstein, Morris Gero	IA	100	* † Chicago
Rosenthal, Lawrence Valentine	Pre L		* † Chicago
Rosenthal, Lewis Meyers	Bus		* † Chicago
Rosenthal, Sol	Pre M		* † Chicago
Rositzky, Simon	Bus		* † St. Joseph, Missouri
Rosky, Edna Mae	LAS	77	* † Chicago
Ross, Beatrice Beulah	SS	6	* † Newton
Ross, Dillon Lewis	Ins	70	* † Council Bluffs, Iowa
Ross, Donald Hamilton	IA	80	* † Benton Harbor, Michigan
Ross, Harley Mathew	ME	113¾	* † Morrison
Ross, Margaret Neill	HELAS		* † Chicago
Ross, Ray	SS	8	* † Owensboro, Kentucky
Ross, Robert Cooke	Agr	169	* † Urbana
Ross, Ruth Hanna	LAS		* † Champaign
Ross, Samuel Howard	SS	14½	* † Mt. Vernon
Ross, Virgil Byron	Agr		* † Palmyra
Rossell, Eva Dorothea	LAS		* † Worcester, Massachusetts
Roth, Mrs. Delight Rambeau	LAS	10	* † Urbana
Roth, Franklin Waldo	LAS	44½	* † Gibson City
Roth, Harry Jackson	Bus	22	* † Mattoon
Roth, Joseph Printz	IA		* † Youngstown, Ohio
Roth, Kingsley Louis	SS	8½	* † Cleveland, Ohio
Rothe, Harold Charles	ME		* † East St. Louis
Rothrock, Helen Victoria	LAS	33	* † Chicago
Rothschild, Donald Allen	LAS	66½	* † Madison, South Dakota
Rothwell, Gordon Pomeroy	REE	35	* † Detroit, Michigan
Roti, Rose Marie	HELAS (SS)	26	* † Chicago
Rottmayer, Samuel Irving	ME	8	* † Zion City
de Roult, Paul Alfred	IA	62	* † Chicago
Routh, Thomas Rex	EE	111¾	* † Galesburg
Routledge, Blanche Bernice	LAS	30	* † Ladoga, Indiana
Routledge, Pauline	LAS	30	* † Miami, Florida
Rovelstad, John Arthur	Bus	95½	* † Elgin
Rowan, Francese Verona	LAS		* † San Francisco, California
Rowe, Charles Chittick	Accy	28	* † Frankfort, Indiana
Rowe, Harold Baker	Bus	30	* † Oak Park
Rowland, Mrs. Gladys	Mus unc		* † Champaign
Rowland, Raymond Edgar	Agr	34½	* † Ashmon
Rowland, Walter Alford	FC (SS)	118½	* † Springfield, Ohio
Rowley, Donald Goode	Bus	65	* † Chicago
Rowley, Melvin Arthur	Eng	37	* † Chicago
Roy, Walter Dewey	AC	68	* † Pesotum
Royal, Thomas Everette	Agr (SS)	126	* † Oak Park
Rubeck, Arthur Morris	CE		* † Belvidere

Rubenstein, Harry	Bus		* † Chicago
Rubenstein, Joseph Gerald	Accy	71	* † Chicago
Ruble, Charles Bernard	Agr unc		* † Decatur
Ruby, Lawrence Irving	CL	31½	* † Chicago
Ruch, Clara Elizabeth	SS	7	* † Waterloo
Rucht, Werner Fred Otto	LG	30	* † Madison, Wisconsin
Ruckman, Frances Desmond	LAS	100	* † Champaign
Ruckrigel, Glenn Meents	Accy	69	* † Ashkum
Rudd, Guy Chandler	CE	37	* † West Chicago
Rudolph, George Albert	LAS	62	* † Justus, Ohio
Rueb, Fred, Jr.	ME		* † Granite City
Ruedy, Robert John	REE	124½	* † Mendota
Ruf, Mary Elizabeth	LAS	101	* † Cleveland, Ohio
Ruge, Morell	LAS		* † St. Louis, Missouri
Rugg, Helen Carolyn	LAS (SS)	15½	* † Champaign
Ruggles, Frederic	Jnl	27	* † Chicago
Ruh, Pauline Alice	LAS	33	* † Park Ridge
Rulien, Miles William	SS	39½	* † Joliet
Rumsey, Zilla	SS	72%	* † Muscatine, Iowa
Rumsfeld, George Donald	Bus		* † Chicago
Rundquist, Samuel Gardner, Jr.	Bus	27	* † Lake Forest
Runkle, Willard Cornelius	Bus	32	* † Galesburg
Runyard, Jessie Deborah	LAS	24	* † Antioch
Runyon, Charles Robert	Bus	32	* † Oak Park
Rupel, Edna Belle	SHHEd (SS)	99½	* † Urbana
Rupel, Ernest Willard	Agr	61	* † Urbana
Rupel, Isaac Walker	Agr	104	* † Urbana
Rupprecht, Bertha Elizabeth	LAS		* † Chicago
Rush, Harriet Margaret	SS	139½	* † Detroit
Rushmore, Carlton William	MinE	26	* † Fox Lake
Russel, Andrew Lang	CE		* † Jacksonville
Russell, Albert Edgar	Bus	31	* † LaGrange
Russell, Mrs. Etta	SS	16	* † Tower Hill
Russell, Hillard Race	Arch unc	47	* † Appleton, Wisconsin
Russell, Irvin Burton	PreL (SS)	8	* † Chicago
Russell, John Leslie	Vsp (SS)		* † Robinson
Russell, Joseph William	Agr	98	* † Roberts
Russell, Kenneth Baines	EE		* † Le Roy
Russell, Meryl Althea	LAS		* † Harvey
Russell, Richard West	AE		* † Benton Harbor, Michigan
Russell, Thelma	SS	72	* † Kansas City, Missouri
Russell, William Joseph, Jr.	Bus (SS)	64	* † Rockford
Russenberger, Marguerite Rosa	Bus	34	* † Peoria
Rust, Florence Grace	LAS	31	* † Pekin
Rust, Gladys Lenore	LAS		* † Cortland, Indiana
Rust, Marion Josephine	LAS		* † Pekin
Ruth, Homer Hollis	AC	61	* † Walton, Indiana
Rutherford, Edgar King	Bank	76	* † Girard
Rutherford, Richard James	ME	67	* † Chicago
Ruthven, Frank Charles	Bus (SS)	68	* † Chicago
Rutledge, Alma Willis	LAS unc (SS)	6	* † Urbana
Rutledge, Jim Norman	ME	46%	* † Fort Smith, Arkansas
Rutzen, William Albert	Bus	6	* † LaGrange
Ryal, Leneath Perkins	ME	4	* † Cairo
Ryan, Harry Edward	EE		* † Centralia
Ryan, James Vincent	PreL		* † Chicago
Ryan, Lawrence Donat	SS	67%	* † Kewanee
Ryan, Mary Jane Elizabeth	LAS (SS)	44	* † Kewanee
Ryan, William Emmett	ME	112%	* † Chicago
Ryersen, Norman Albert	EE	116	* † Chicago
Rygel, Edward	Bus	25½	* † Chicago
Saalwaechter, Leonard Thomas	AC	66½	* † Owensboro, Kentucky
Sabbah, Kamil Ali	EPh	11	* † Beirut, Syria
Sabin, Merrill Simons	MSE	111	* † Antioch
Sadler, Louise Erceel	LAS	29	* † Danville
Saffer, Rex Eugene	Jnl	39½	* † Urbana
Safford, Verle Willson	Law		* † Washburn
Sager, Helen Chowning	LAS	103	* † Lockport
Saha, Aatto Paivio	ME	114%	* † Bjornsborg, Finland
Sahgal, Barisi Lal	Bank (SS)	96	* † Hydrabad, India
St. Cardosi, Christopher Victor	Law	49	* † Canton
St. Clair, Grady	SS		* † Llano, Texas
St. John, Lyle	Bus	62	* † Pontiac
St. John, Russell Lorn	Arch		* † Gary, Indiana
St. Peter, Milton Elmendorf	ME		* † Highland Park
Salisberg, Jack Elmer	LAS	17	* † Aurora
Sallee, George Alden	Agr	35	* † Gerlaw
Salmen, Fred	CE	36	* † Winnetka
Salzenstein, Charles Stanley	Law	33	* † Peoria
Salzman, Harold Lawrence	LAS	33	* † Chicago
Sample, Sam Steele	ME	109½	* † Webster Graves, Missouri
Sampson, Jess	Agr (SS)	111½	* † Leland
Samuels, Anne	HELAS	26	* † Chicago
Samuelson, Archie Victor	Eng		* † Chicago
Sandall, Alvin Mann	AC	55½	* † Elgin

Sandberg, Hildur Louise	<i>Agr unc</i>		* † Danville
Sanders, Christine	SS		* † Helena, Arkansas
Sanders, Floyd Walsh	<i>Bank</i>	30	* † Urbana
Sanders, Helen	HELAS	97	* † Champaign
Sanders, William Chapple	<i>Bus</i>	116	* † Ottawa
Sanderson, William Harper	<i>Jnl</i>	68	* † Highland Park
Sandhen, Erven Fred	ME		* † St. Louis, Missouri
Sandholm, Frank Henry	SS	140	* † Sycamore
Sanford, Charles Wilson	<i>Agr</i>	63	* † Urbana
Sanford, Colman George	<i>Bus</i>		* † Chicago
Sanford, Frances Asby	SHHEEd	62	* † Urbana
Sanford, George William	<i>Bus</i>	28	* † Du Quoin
Sanford, Robert Stillson	<i>MinE</i>	126	* † Urbana
Sanford, Ruth Rebecca	LAS		* † Talladega, Alabama
Sanial, Arthur John	EE	69	* † Chicago
Sanson, William Herbert	<i>Law</i>	65	* † Atoka, Oklahoma
Santiago, Felipe De la Peria	LAS (SS)	59½	* † Bulacan, Philippine Islands
Santo, Hisata Asbury, A.B., A.M., 1920,			
1922	SS		* † Okayamakeu, Japan
Santos, Iluminado Calupitan	ME (SS)	154½	* † Santa Cruz, Philippine Islands
Saper, Norman	CE		* † Chicago
Sarrf, Ralph Haribut	SS	7½	* † Urbana
Sargent, Richard Boynton	ME	70	* † Clinton, Iowa
Sass, Helen Aldon	<i>PreM</i>		* † Chicago
Satterfield, Lillian Lenora	HELAS		* † Danville
Sattgast, Charles Richard	SHAEd	77	* † Opdyke
Sattler, Lillian Ida	LAS	33	* † Chicago
Sattley, Hope Cody	LAS	122½	* † Chicago
Saunders, Ethel Marie	LAS	33	* † Canton
Saunders, LaVerne	LAS	34½	* † Bloomington
Saunders, Richard Seavey	<i>Bus</i> (SS)	70	* † Cincinnati, Ohio
Savage, Alice Elinor	LAS (SS)	67½	* † Urbana
Savage, Leroy Ellwood	AC		* † Canton, Maine
Savage, Margaret Lacey	LAS (SS)	40½	* † Urbana
Savage, Raymond Philip	<i>Bus</i>	61	* † Chicago
Savage, Ruth Anne	HEAgr		* † Urbana
Savage, Wilma	LAS		* † Salem, Iowa
Savery, Helen	LAS	94	* † Chicago
Saville, Frances Olive	LAS	64	* † Canton
Savitzki, Sol	<i>Eng</i> (SS)	116½	* † Chicago
Sawers, Mary Beeler	LAS		* † Webster Groves, Missouri
Sawyer, Elbert Pearl	<i>PreL</i>		* † Fisher
Sawyer, Harold Grimes	LAS	64½	* † Lewiston, Idaho
Sawyer, John Wardall	<i>Bus</i>	101	* † Champaign
Sax, Harold Wachtel	LAS		* † Chicago
Saxe, Charles Lee	LA	118	* † Champaign
Saxton, Robert Hibberd	CE		* † Chicago
Scanlan, John Thomas	<i>Chem</i>	164	* † Chicago
Scanlan, Robert William	<i>Agr</i>	112	* † Newton
Scarritt, Elwood William	<i>Chem</i>	105	* † Oak Park
Schacht, Frederick Henry	ME	29½	* † Chicago
Schad, Eugene Fred	CE		* † Chicago
Schaefer, James Walter	<i>MinE</i>	37	* † Chicago
Schaefer, John Victor	<i>MSE</i>	92	* † Chicago
Schafer, Mrs. Lydia	SS		* † Champaign
Schaff, John William	<i>Agr</i>	17	* † Chicago
Schaller, Julius Leonard	ME	72	* † Mendota
Schaperkottter, Elsa Augusta	CT	97	* † Alton
Scheeter, Henry Kenneth	<i>Agr</i>		* † Georgetown
Schedel, Ralph Mohring	SS	130½	* † Fairfield
Scheffer, Sophia Bertha	LAS	64	* † Atwood
Scheffler, Emma Alice Minna	SS		* † Springfield
Scheib, John Watson	<i>Bus</i>		* † Chicago
Scheidenhelm, Elmer Christian	<i>Agr</i>		* † Mendota
Schell, Albert Thayer	SS	18	* † Chicago
Schell, Hugh Louis	EE	35½	* † Chicago
Schell, Jacob Noel	<i>Bus</i>		* † Windfall, Indiana
Scher, Arthur Weston	AC	105	* † Chicago
Scher, Rueben Robert	<i>Bus</i>		* † Chicago
Scherer, Lewis Frederick	ME	36	* † Ottawa
Schick, Lincoln George	<i>Bus</i>	89	* † La Crosse, Wisconsin
Schildbauer, Fred Jacob	AC	31½	* † New Holstein, Wisconsin
Schilling, Clarence George	LAS		* † Carlyle
Schilsky, Reinder Feldkamp	CE	32	* † Springfield
Schima, Edward Joseph	<i>MinE</i>	103	* † Chicago
Schirmacher, Fred Carl	LAS (SS)	60	* † Davenport, Iowa
Schlappprizzi, Lester Burton	<i>Accy</i>	32	* † St. Louis, Missouri
Schlaudt, Carl	SS	6	* † Lawrenceburg, Indiana
Schlechter, Herbert Walter	CE (SS)	61½	* † Fessenden, North Dakota
Schlenz, Harry Edward	CE		* † Chicago
Schleuter, Anita Cordelia	SS	8	* † Collinsville
Schlichting, Walter George	ME		* † Davenport, Iowa
Schlossbauer, William John	<i>Bus</i>	74	* † Chicago
Schlots, Fred Emerson	<i>Agr</i>	26½	* † Elmwood
Schmalmaack, Charles Louis	EE	129½	* † St. Louis, Missouri

Schmidgall, John Raymond	EE		†	Maryland
Schmitz, Cyrus Anthony	PreM		†	Mississippi, Wisconsin
Schmitz, Barclay Eric	AC		†	St. Louis
Schmitz, Carroll Peter	EE	98	†	Chicago
Schmitz, Howard Ignatius	CE	55	†	Chicago
Schmoeller, Elsie Marie	LAS una		†	Alton
Schmoeller, Paul Eugene	FC (SS)	107½	†	Long Island, New York
Schneider, Anthony Laurence	CL	57	†	Champaign
Schneider, Johanna Helene	SS	51	†	Champaign
Schneider, Marcel Marie	LAS	54	†	Chicago
Schneider, Robert Everett	EE	72	†	Chicago
Schneider, Roy John	LE	94½	†	Chicago
Schneider, William Balchazar	LAS (SS)	74	†	Archives, Wisconsin
Schneidewind, Hiram Francis	LAS	57	†	Washington
Schneidhacher, Emil St. Elmo	Lou	12	†	St. Louis, Missouri
Schock, Philip Flick	Bu		†	Quincy
Schock, Katherine Henrietta	LAS	93	†	Quincy
Schock, Robert Louis	Bu	9	†	Alton
Schoeffel, Henry John	Bu	95	†	Chicago
Schoenfeld, Merritt Robert	Bu	85½	†	Alton
Schoenling, Philip	AC		†	Paris
Schofield, Roberta Almeria	EE LAS		†	Warren, Ohio
Schofield, John Dixon	Acry	104	†	Chicago
Schofield, Lydia Mary	LAS	55	†	Champaign
Schois, Richard Ferdinand	Lou	6	†	Champaign
Schooncraft, Donald Victor	Bu	16	†	Quincy
Schooley, Clarence Herschel	SS	121	†	Danville
Schoonmaker, Edward P	Bu	55	†	Effingham
Schoot, Herbert Francis	Bu	93	†	Chicago
Schowengerin, William Henry	PreM		†	Quincy
Schrader, Frances Marion	LAS	51	†	Champaign
Schrader, Frederic Porter	CE	102	†	Bridgeport
Schrader, Paul Cranston	FOOM	30½	†	Clifton
Schreiber, Charles Arthur	Bu	50	†	Bridgeport
Schreiner, Herbert Warner	Bu	93	†	Chicago
Schriber, Carl Edward	LAS		†	River Forest
Schroeder, Bernard Anthony	ME (SS)	108	†	Chicago
Schroeder, Catherine	LAS		†	Chicago
Schroeder, Frederick Charles	Vap (SS)		†	Shawnee
Schroeder, Fred William	SS	4	†	Nashville
Schroeder, Frieda Louise	LAS	104	†	Chicago
Schroeder, George Chrus	CE	73	†	Chicago
Schroeder, Herbert Spencer	CE		†	Chicago
Schroeder, Orville Henry	LA	47½	†	Oak Park
Schroeder, Sophie Willene	PreM		†	Kalamazoo
Schroeder, Theodora William	CE	87	†	Evansville
Schroeder, Wilbur Louis	CL		†	Evansville, Indiana
Schroeder, William Christopher Martin	Acry	101	†	Lansing
Schroeder, William Edward, Jr.	ME		†	Chicago
Schuck, Evermann Henry	SS	57	†	Washington, Indiana
Schuessler, Leona Margaret	Ed	98	†	Alton
Schulds, Elmer Frederick	CE	108	†	Chicago
Schuler, George Louis	SS	100	†	Dixon
Schuler, Mabelle LaVernia	LAS	26	†	St. Carmel
Schulke, Charles Herman	Apr (SS)	119	†	Evansville
Schulke, Armin Meyer	CE		†	St. Louis, Missouri
Schulke, Alfred Frank	Apr		†	Geneseo
Schulke, Earl Ernest	Lou una		†	Geneseo Park
Schulke, Emil George	Apr	99	†	Geneseo
Schulke, Frank Arthur	LA (SS)	107	†	Champaign
Schulke, Harry Ralph	Bu	45	†	Chicago
Schulke, Mary Louise	LAS	47	†	Marionville
Schulke, Norma A	Bu	86½	†	Danville
Schulke, Virginia Dorothy	Bu		†	Danville
Schulze, Myrtle	Jed	100	†	Danville
Schulze, Ella Rosell	LAS	114½	†	Rockville
Schulze, Emily Martin	Lou		†	Champaignville
Schumacher, Alan Henry	Bu (SS)	87	†	Kalamazoo
Schuppert, Harold Paul	LAS	48½	†	Liberty
Schuppert, Leonard Kathryn, B.S., 1922	Lou una		†	Madison
Schur, Bernice Caroline	LAS		†	Madison
Schurman, Paul Luther	Bu (SS)	101	†	Champaign
Schwab, Louis	ME	24	†	Bridgeport
Schwartz, Mildred Anastasia	Bu (SS)	85	†	Bridgeport
Schwartz, Milton Henry	Bu	18½	†	Chicago
Schwartz, Charles	LAS		†	Chicago
Schwartz, Nina Margaret	EE LAS		†	Chicago
Schwartzvelder, Berice M	Bu	99	†	Chicago
Schwager, Rodney Roberts	Bu	91	†	Chicago
Schweighart, Fred John	Vap		†	Chicago
Schwamm, Elmer Meyer	Acry	65	†	Bridgeport
Schwamm, Ruth Lydia	LAS		†	Bridgeport
Schwing, Alfred William	AC		†	Paris
Schofield, Charles James, Jr.	PreL	12	†	Chicago
Scott, Eleanor Elizabeth	Ed	54	†	Champaign

Scott, Estella Bertha	SS	16	New Orleans, Louisiana
Scott, Mrs. Frank W., A.B., 1903	Mus unc		† Urbana
Scott, Helen Lucille	LAS	23	† Robinson
Scott, Herschel Newton	LAS (SS)	89½	† Raymond
Scott, Ida	LAS unc		† Tulsa, Oklahoma
Scott, Ira James	AC	21	† Lost Nation, Iowa
Scott, James Harvey	Accy (SS)	65½	† Peoria
Scott, James Robert	ME	71	† Champaign
Scott, Joseph Thomas	PreL		† Grayville
Scott, Paul Ashley	LAS		† Chicago
Scott, Russell	Bus	110	† Evanston
Scott, Semple Stillman	CE		† Chicago
Scott, Sir Walter	SS	22	† Christian
Scott, Thelma Elizabeth	Jnl	99	† Indianapolis, Indiana
Scott, Walter Jefferson	CerE (SS)	180½	† Raymond
Seudder, George Marsh	AE	77	† Sioux Falls, South Dakota
Seudder, Van Wildman	LAS	30	† Aurora
Scully, John Henry, Jr.	CE		† Rockford
Seabert, Edna Maude	Mus		† Dwight
Seaman, Alice	HELAS		† Chicago
Seaman, George James	Bus	15½	† Chicago
Seaman, John Thomas	EE	67	† Chicago
Seaman, Robert William	Jnl	33	† Kansas City, Missouri
Seaman, Ruth Geraldine	LAS		† Joliet
Sears, Burton Hale	LAS	89½	† Oak Park
Sears, George Backus	Bus		† Chicago
Sears, Hubert O	Eng	27	† Woodstock
Sears, Mary Rebecca	HELAS		† Adinison
Seaton, Don Cashius	AC	36	† El Paso
Seaton, Floyd Melville	Bus	30	† Morrisville
Sebat, Mary Theresa	HELAS	27	† Danville
Secor, Blanche L	Ea	60	† Carrollton
Seddon, Alice Gladys	CT unc	23	† Chicago
See, Eugene	Bus		† Paris
Seeber, Leora Elzina	HELAS	61	† Benton
Seed, Manice	LAS	33	† Bridgeport
Seed, Veri Rue	Bank (SS)	116½	† Urbana
Seekamp, Arthur William	Bus	60	† Oak Park
Seepe, Richard Albert	ME	33	† Peru
Seepe, Robert Munger	IA	33	† Peru
Seibert, Will	AC		† Creston, Missouri
Seidel, Hulda Margaret	SS	36	† Kansas City, Missouri
Seidel, Julius Jacob	MinE		† Chicago
Seidensticker, William Joseph	SS	137½	† Oak Park
Seidl, Carl Fisher	Bus		† Menominee, Michigan
Seifer, Bernard	Accy	33	† Chicago Heights
Seil, Manning David	Jnl	30	† Grayville
Seipp, Geraldine	LAS	32	† Chicago
Seiter, Victor Carl	Bus	32	† Logansport, Indiana
Seitz, Harry William	SS	49½	† Henry
Sekera, Frank	Bus		† Chicago
Sekera, George Frank	Bus		† Chicago
Selecman, Harold Bernard	LAS		† Wilmette
Sellers, John Ferris	SS	11	† Marshallville, Ohio
Semple, Sadie Elizabeth	SS	6	† West Liberty
Senelick, Samuel Barnett	IA	51	† Chicago
Senft, Emily Alleen	Bus	67	† Berwyn
Seng, Francis Arthur	LAS	22½	† Chicago
Seng, Raymond Anthony	LAS	33	† Wilmette
Senn, Erwin Oliver	Chem (SS)	22	† Highland
Serpico, Frank Joseph	ME	33	† Chicago
Servey, Mary Leona	SS	6½	† Elisabethtown
Setinsky, Jerry Henry	MinE	33	† Onarga
Severance, Deane Carlisle	LAS	60	† Milwaukee, Wisconsin
Severson, Gilbert Sims	SS	192½	† Chicago
Sevilla, Diego Aguilar	LAS	19½	† San Isidro, Philippine Islands
Seward, John Harold	Agr	62	† Raymond
Seward, Lawrence Ward	Eng	33	† Urbana
Sexauer, Esther Marie	LAS	90	† Belvidere
Seybolt, Otilie Turnbull, A.B., A.M., 1910, 1915	SS		† Urbana
Seymour, Bernays Dixon	Bank	34	† Hillsboro
Seymour, Glenn Huron	LAS		† Danville
Seymour, Guy Emil	PreM		† Danville
Seymour, Harold Edward	AC	41	† Canisteo, New York
Seymour, Robert John	Eng	71	† Chicago
Shaff, Irma Gertrude	LAS		† Urbana
Shaffer, Forest Fred	SS	8½	† Urbana
Shaffner, Albert Francis	SS	8½	† Chicago
Shafton, Arthur Louis	LAS		† Chicago
Shafton, Hazel Hannah	LAS	31	† Chicago
Shafton, Lester	Bus	33	† Chicago
Shah, Chandoolal Nanchand	Chem	76½	† Sarbhoom, India
Shand, Edwin William	Chem	183	† Riveride
Shaner, Herbert Jewel	ME	78	† Stockton

Shaner, Mildred Irene	LAS	55	* † Neponset
Shanklin, Wesley Vern	ME	31	* † Toluca
Shanks, Thomas Kennedy	CE (SS)	68	* † Chicago
Shanley, Andrew Charles	CE		* † Chicago
Shapiro, Miriam	Jnl		* † Chicago
Shapiro, Sam	Bus	81½	* † Chicago
Shapiro, Sam Oliver	Jnl	109½	* † Chicago
Shapley, Ralph Peterson	SS	138	* † Denver, Colorado
Shapotken, William	ME	49½	* † Chicago
Shappert, Frederic William	CE (SS)	110	* † Chicago
Shappert, Lawrence Joseph	Bank		* † Chicago
Sharfman, Samuel Philip	Bus	37½	* † Chicago
Sharman, Myrtle Victoria	LAS	61	* † Chicago
Sharp, Abia Morris	Bus	102	* † Harrisonville, Missouri
Sharp, Elizabeth Josephine	LAS (SS)	88½	* † Harrisonville, Missouri
Sharp, Harold Nash	Agr	34	* † Elburn
Sharp, Henry Cordes	IA	98½	* † Oak Park
Sharp, Leonard E	SS		* † La Porte, Indiana
Sharp, Mary Marguerite	LAS		* † Harrisonville, Missouri
Sharpe, Byron C	IA	101	* † Chicago
Shastry, Shomi Nath	Chem	3½	* † Calcutta, India
Shatiko, Basil Andreiwitch	Agr	51½	* † East Lansing, Michigan
Shatsky, Samuel Ross	Bus	28	* † Terre Haute, Indiana
Shattuck, Richard Kenneth	Bus (SS)	100	* † Oak Park
Shaugar, Marian Isabelle	HELAS		* † Champaign
Shaw, Harry Evans	Accy	69	* † Harrisburg
Shaw, John Averill	IA		* † Rockford
Shaw, John Leland	Accy	30	* † Mattoon
Shaw, Robert Enos	Bus		* † Chicago
Shaw, Ward Ellis	Bus		* † Harrisburg
Shawl, Harold Bennett	Agr unc		* † Ohio
Shawl, Ray Iris, B.S., M.S., 1916, 1919	Mus irr		* † Princeton
Shay, Lester Roy	SHAE (SS)	83½	* † Pontiac
Shea, Margaret Mary	LAS		* † Terre Haute, Indiana
Shea, Walter Cyril	PreL		* † Memphis, Tennessee
Sheadle, Roland Robert	Bus	31	* † Rochelle
Shearer, Ura Carol	LAS		* † Weldon
Sheasby, Leon Edward	Bus	32	* † Chicago
Sheehan, Edward Daniel	REE	63½	* † Chicago
Sheehy, Lawrence Walter	RME (SS)	90½	* † Chicago
Sheets, Ralph Clayton	ChE		* † Oblong
Sheldon, Jay Hadley	AC	22	* † Albion, Michigan
Sheldon, Leo Cutler	Bus	34	* † River Forest
Shelp, Harold Jay	ChE	66	* † Medina, New York
Shepard, Genevieve Elveretta	HELAS		* † Champaign
Shepard, Joseph Kenneth	Jnl	26	* † Indianapolis, Indiana
Shepard, Norman Westbrook	SS	5½	* † Wilmington, North Carolina
Shepard, Richard Fred	SS	5½	* † Neuman
Shepherd, Cecil	Agr		* † Macedonia
Shepherd, George Russell	LAS		* † Browns
Shepherd, Roscoe Lester	Bus unc (SS)	9	* † Danville
Shepherd, William Emery	LAS	64	* † Michigan City, Indiana
Shepler, Melba Meryl	SS	16	* † Georgetown
Sheppard, Arthur Kenyon	Bus	32	* † Oak Park
Shere, Nelson Huston	Jnl		* † Carmi
Sherertz, Everett Lorren	CE	89½	* † Marion
Shermak, Albert	Law	40	* † Chicago
Sherman, Gerald Wilfred	IA	68	* † Chicago
Sherman, William Sidney	ME	36	* † Oak Park
Sherrard, Charles Francis	PreM	33	* † Ladd
Sherwood, Frank B	Arch		* † Elgin
Shew, Mary Ann	SS	10	* † Worden
Shiao, Lian Po	ChE (SS)	108	* † Peking, China
Shields, Hazel Isabelle	SS	60	* † Casey
Shields, Nettie Pauline	LAS		* † Champaign
Shilings, Alger A	Accy		* † Chicago
Shinkle, Carroll Arnold	Accy	33	* † Ellsworth
Shinn, Byron M	LAS	67	* † Iola, Kansas
Shinn, Winifred Caroline	LAS		* † Chicago
Shipley, Morris L	PreM		* † Paris
Shipley, Wendell Watson	ME	106	* † Martinsville, Indiana
Shipley, William Winston	EE		* † Savanna
Shipman, George Elias, Jr.	ME	35	* † Kenilworth
Shipp, Jesse Allen	Agr (SS)	116	* † Carlinville
Shively, Evert Kenneth	EE	61	* † Kansas City, Missouri
Shoaff, Norman Russell	Bus	29	* † Hutsonville
Shockley, Charles McClurg	Accy	33	* † Decatur
Shoemaker, Fred Raphael	ME (SS)	109	* † Jacksonville
Shoemaker, Ralph Lee	AC		* † Larwill, Indiana
Shoger, Howard George	Agr		* † Aurora
Shole, Erasmus Franklin	IEEd	21	* † Chatsworth
Shols, William Theodore	EE	73½	* † Chatsworth
Shonkwiler, Alice	LAS		* † Winomac, Indiana
Shonkwiler, Marguerite Frances	LAS		* † ElDorado, Kansas
Shonts, Gertrude Ayers	LAS		* † Streator

Shonts, Marian Ayers	SS		Streator
Shoop, Arnold Chaney	SS	150 $\frac{5}{8}$	Champaign
Shoop, Edwin Perrill	LAS	83 $\frac{1}{2}$	* † Champaign
Shoot, Tilford Taylor	Agr	69	* † Charleston
Shopen, Kenneth George	LAS	26	* † Elgin
Short, Edna Felicia	LAS	33	* † Champaign
Short, James Franklin	SS	82 $\frac{1}{2}$	Alton
Short, Ruth Anna	LAS	32 $\frac{1}{2}$	* † Champaign
Shortess, Lois Fuller, A.B., 1918	Lib	16	* † Charleston
Shoup, Emma Mae, B.S., 1914	Lib	33	* † Roanoke, Indiana
Showalter, Arthur Jennings Bryan	Law		* † Pekin
Showerman, Irving Edward	Bus (SS)	96	* † Niles, Michigan
Showers, Frances	SS	5	* † Decatur
Shreiner, Erma Gertrude	LAS	106 $\frac{1}{4}$	* † Elkhart, Indiana
Shriner, James	SS	4 $\frac{3}{8}$	Roleigh
Shryock, Burnett Henry	LAS	60	* † Carbondale
Shuey, William Albert	SS	7 $\frac{3}{8}$	Williamsport, Indiana
Shull, Frank Robert	AC	31	* † Urbana
Shumate, Kenneth Wilson	ME	96	* † Quincy
Shurts, Ted Marcus	CE		* † Urbana
Shute, Alfred James	ME	15 $\frac{1}{8}$	* † Chicago
Shutt, Viva Gladys	PreM		* † Champaign
Shuttleworth, Parnell Quincy	Bus (SS)	96	* † Idaho Falls, Idaho
Shutts, Frances	LAS	103 $\frac{3}{8}$	* † Danville
Shutts, Glenn Bush	EE	71	* † Joliet
Sibley, Elba	Vsp		* † Bee Creek
Sideman, Abner	Law	28	* † Chicago
Sideman, Arthur Tilden	PreL	14 $\frac{1}{2}$	* † Chicago
Sideman, Sidney	PreM	33	* † Chicago
Siebel, Frederick Peter, Jr.	ChE	83 $\frac{1}{2}$	* † Chicago
Siegel, Elizabeth Margaret	SS	18	Oak Hill
Siegel, Milo Bernard	Bus	65	* † Davenport, Iowa
Siehr, Lenna Eve	SS	8	Macn
Siemans, George Mellin, Jr.	SS	134 $\frac{1}{4}$	Kansas City, Missouri
Sigler, Gladys Louise, A.B., 1921	Lib		* † Cortland, Ohio
Sigler, Lenore	LAS (SS)	103	* † Decatur
Signell, Lloyd George	CE	107	* † Rockford
Silbar, Raymond	MinE	40 $\frac{1}{2}$	* † Chicago
Silberman, Saul Ayman	ChE	101	* † Chicago
Siler, Wymer George	SS	6 $\frac{1}{8}$	Knoxville, Tennessee
Silkey, Genevieve Dorothy	LAS	17	* † Champaign
Silkey, Mary Lavaughn	LAS		* † Ogden
Silsby, Robert Donald	IA	100	* † Wilkinsburg, Pennsylvania
Silver, Mary Ethel	HEAgr	27	* † Urbana
Silverman, Harold Edward	PreM		* † Chicago
Silverstein, Louis Henord	IA	78	* † Chicago
Sim, James Taylor Robertson	Agr	70	* † Port Elizabeth, South Africa
Sim, Sin Yung	ChE		* † Batavia, Java
Simkus, Causty	Bus		* † Bend
Simmonds, Emry Seldon	Ed (SS)	102 $\frac{1}{2}$	* † Camp Point
Simmons, George Edward	ChE		* † Elmhurst
Simmons, Joseph Franklin	SS	11 $\frac{3}{8}$	* † Champaign
Simmons, Waldo Emerson	Bus (SS)	57	* † Urbana
Simmons, Walter Wallace	Bus	64 $\frac{3}{8}$	* † Urbana
Simmons, William Harold	Bus	93	* † Jerseyville
Simon, Philip Jerome	Bus	103 $\frac{3}{8}$	* † Chicago
Simonich, Louis James	EE	63 $\frac{1}{2}$	* † Joliet
Simons, Bernard W	Bus	75	* † Trenton, Missouri
Simons, Glen Lyle	ME	29 $\frac{1}{2}$	* † Sparta, Michigan
Simonson, Hymen	Agr	21	* † Chicago
Simonson, Susie	SS	26	* † Smithshire
Simpson, James Stanley	Agr		* † Altona
Simpson, John A	SS	6 $\frac{1}{8}$	Bosworth, Missouri
Simpson, John Ralph	EE	62	* † Benton
Simpson, Roy Earn	SS	16	Rushville
Simpson, Roy Leon	Bus	64	* † Taylorville
Sims, Delbert Edward	SS	90 $\frac{1}{2}$	Newton
Simunich, Bernard Andrew	IA	31	* † Chicago
Sinclair, Charles Abram	Bus	32	* † Litchfield
Sinclair, Dorothy Ruth	LAS		* † Danville
Sinclair, John, B.S., 1922	CerE irr		* † Corning, New York
Sinclair, Murray	CerE		* † Corning, New York
Sinden, Edward Archibald	Bus	101	* † Oak Park
Singer, Raymond Barker	AC	70 $\frac{1}{2}$	* † Urbana
Singer, Robert L	Bus	53	* † Chicago
Singmaster, Helen	LAS	71	* † Keota, Iowa
Singmaster, Margaret	LAS		* † Keota, Iowa
Sinn, Milton Samuel	Bus		* † Kewanee
Sisson, Helen Elizabeth	LAS	58 $\frac{1}{2}$	* † Chicago
Sites, Erma Lois	HELAS	61	* † Watseka
Sittner, Alice	LAS		* † Chicago
Sivwright, Florence Edith	LAS		* † Sycamore
Skaer, Florence Edith	SS	4 $\frac{3}{8}$	Tamaroa
Skaer, Georgia Ruth	SS	6 $\frac{1}{8}$	Tamaroa
Skeavington, John Alva	Jnl		* † Princeton, Indiana

Skeen, Katharine Allen	LG		* † Oklahoma City, Oklahoma
Skehan, Kathryn Elizabeth	LAS		* † Chicago
Skelton, Arthur	Bus	13	* † Fairfield
Skinner, Charles Otis	Bus	41	* † East St. Louis
Skinner, James Madden	CE	123	* † Joliet
Skinner, Laura Bragg	LAS	64	* † Tuscola
Skinner, Lloyd Russel	SS	62½	* † Burnside
Skinner, Sara Parks	HELAS	62½	* † DuQuoin
Sklovsky, Ira Dolkart	ME	33	* † Moline
Slack, Clara Mary	LAS (SS)	101	* † Spring Valley
Slater, John William	Bus	30	* † Marion
Slater, Robert Eugene	LG		* † Savanna
Slaughter, Charles Webster	LAS	1½	* † Chicago
Slaymaker, Harry Scott	AC	79½	* † Kansas City, Missouri
Sleezer, Marion Winnifred	LAS	90½	* † Paxton
Slepyan, Dorothea Sara	Bus	100	* † Chicago
Slevin, Norberta	SS	17	* † Springfield
Slimmer, Louis Frederick	AC	33	* † Millville, New Jersey
Slimpert, George Henry	FO M	96½	* † Metropolis
Sloan, Herbert John	Agr		* † Urbana
Slow, John Ralph	Pre M	33	* † Eldorado
Slygh, Frederick Nightingale	Bus		* † Toulon
Small, Edward	Agr	103	* † Chicago
Small, John Clifford	Agr	92½	* † Galatia
Smalley, Agnes Esther, A.B., 1922	Lib (SS)	8	* † Carlinville
Smallwood, Glenn S	Cer E	111	* † Decatur
Smallwood, M Gertrude	SS	15½	* † Springfield
Smart, Wayne Robert	AC		* † Maroa
Smedley, Robert Clark	Agr		* † Alhambra, California
Smejkal, Edna Anna	LAS		* † Chicago
Smejkal, Helen	HELAS	55	* † Chicago
Smellie, Annie Mary	LAS	98	* † Eureka
Smiley, James Harold	LAS (SS)	3	* † Rockville, Indiana
Smith, Agnes Irene	Ed unc (SS)	17	* † Marshall
Smith, Alice Amanda	LAS	66	* † Champaign
Smith, Bernard Presley	Bus		* † Terre Haute, Indiana
Smith, Byron Bayard, Jr.	LAS		* † Wilmette
Smith, Bryan Waldo	Agr	60	* † Freeburg
Smith, Carleton Rotramel	LAS		* † Browns
Smith, Cecil Ray	Law	59	* † Marion
Smith, Charles Howard	Chem unc		* † Acton, Indiana
Smith, Charles Wilson	SS	20½	* † Carrollton
Smith, Clarence Theron	Law	½	* † Urbana
Smith, Clarmyra	LAS		* † Chicago
Smith, Curtis Ulysses	ME	30	* † Kankakee
Smith, Daniel	CE	25½	* † Winchester
Smith, Daniel Willard, A.B., 1921	SS	139½	* † Bellflower
Smith, David Galbraith	Agr	60½	* † Carthage
Smith, Dorothy Elizabeth	LAS	35	* † Atwood
Smith, Dorothy Ruth	LAS	63	* † Rantoul
Smith, Earl Gates	Bus	47	* † Alden
Smith, Edythe Viola	LAS		* † Geneva
Smith, Elliott Vantine	Ch E		* † Chicago
Smith, Elmon Leo	Bus	79½	* † Mattoon
Smith, Elsdon Coles	LAS	33	* † Virginia
Smith, Emily Helen	LAS	20	* † Oak Park
Smith, Emma Charlotte	LAS	67	* † Murphysboro
Smith, Everett Frem	EE	118	* † Chicago
Smith, Everett William	CE	128½	* † Geneva
Smith, Florence Mary	LAS		* † Detroit, Michigan
Smith, Frank	Bus		* † Sheller
Smith, Fred Ernest	Chem	110	* † Urbana
Smith, George Andrew	Bus	63	* † Lafayette, Indiana
Smith, George Ivan	Bus	23	* † Kankakee
Smith, George Robert	Jnl		* † Champaign
Smith, Gertrude Katherine	LAS	29½	* † Terre Haute, Indiana
Smith, Gilbert Lee	Min E	78	* † Danville
Smith, Guy Orville	Min E	8	* † Sandoval
Smith, Halbert Calvin	Agr unc (SS)	53	* † Evanston
Smith, Henrietta Eleanor	LAS	96½	* † Rock Island
Smith, Herbert Homer	LAS		* † Champaign
Smith, Honor Clair	IE d		* † Ashland, Ohio
Smith, Howard Hill	EP h	78	* † Evanston
Smith, Howard Louis	Bus	96	* † Pekin
Smith, Howard Vernon	Agr (SS)	106	* † Urbana
Smith, Isabella Hamill, A.B., 1921	Lib	18	* † Alexandria, Indiana
Smith, Jack Gordon	Bus		* † Chicago
Smith, James Beattie	Bus		* † Urbana
Smith, James Clark	Bus	71	* † Chicago
Smith, James Harold	ME		* † Chicago
Smith, John Hilera	Agr	32	* † Hull
Smith, John Wesley	EE	67	* † LeRoy
Smith, John Williard	SS	6½	* † Hillsboro, Ohio
Smith, Kenneth Leslie	AE	103	* † Aurora, Indiana
Smith, Kenneth Lloyd	Bus		* † Urbana

Smith, Laura Eleanor, A.B., 1921	SS	155%	Urbana
Smith, Lawrence De Vere	SS	190%	Milford
Smith, Lawrence Harold	Bus		* Whiting, Indiana
Smith, Lawrence Olford	SS	93%	* Van Vleet, Mississippi
Smith, Leighton Charles	Bus	80	* † Mt. Carroll
Smith, Leonidas Logan	SS		Efingham
Smith, Leslie Denzil	Ed (SS)	67	* † Oakwood
Smith, Lloyd Lorenzo	SS	149	* † McComb, Mississippi
Smith, Loren Roscoe	AC		* Pekin, Indiana
Smith, Lowell Deatherage	LAS	15½	* Danville
Smith, Margaret Estelle	LAS		* Urbana
Smith, Marguerite	LAS	32	* † Urbana
Smith, Marian Esther	LAS	66½	* † Champaign
Smith, Marjorie Hutchins	Bus		* † Park Ridge
Smith, Marshall Edward	Bus	16½	* † Chicago
Smith, Marshall Eugene, A.B., 1916	SS		* † Springfield
Smith, Mary Eloise	HELAS	101	* † Mattoon
Smith, Mary Margaret	LAS		* † Urbana
Smith, May	Ed	60	* † Desoto, Missouri
Smith, Niles Bainbridge	ME	154½	* † Birmingham, Alabama
Smith, Mrs. Nina	Ed	97	* † Mt. Sterling
Smith, Nolan Albert	SS	7½	* † Ada, Ohio
Smith, Norman Joseph	Ag	58	* † Greenfield, Indiana
Smith, Olive Louise	LAS	99	* † Yorkville
Smith, Ora	Ag (SS)	114½	* † Freeburg
Smith, Orion Otis	Accy	104	* † Oakwood
Smith, Oscar Byron	Ag	92	* † Broadlands
Smith, Oscar Ray	EE	87	* † Urbana
Smith, Otto Rowland	FC	8	* † Clayton
Smith, Peyton Wemyss	AE	99	* † Oklahoma City, Oklahoma
Smith, Ray Francis	AE	71½	* † Pekin
Smith, Robert Alfred	Ag	68	* † Ashmore
Smith, Roland Wesley	Bus	61	* † Chicago
Smith, Roy Welbern	FC		* † Grayville
Smith, Russell Wilson	Ag (SS)	83	* † Laplata, New Mexico
Smith, Ruth Eloise	LAS	113	* † Urbana
Smith, Thelma Dorris	Bus	26	* † Indianapolis, Indiana
Smith, Thurston Woods	Bank	124½	* † Albion
Smith, Vance Marlin	EE		* † Virginia
Smith, Vance Oliphant	Bus		* † Vincennes, Indiana
Smith, Walter Nelson	Ed	64	* † New Canton
Smith, Walter Thomas Rozel	Jnl (SS)	96½	* † Oakwood
Smith, William Glenn	Accy	33	* † Oglesby
Smith, William Hasset	EE		* † White Heath
Smith, William Thompson, Jr.	ChE	52½	* † St. Louis, Missouri
Smithers, Wilson Cook	ME	80	* † Wilmette
Smith-Petersen, Fredrik Anton	SS		* Luck, Wisconsin
Smithson, Claude Taylor	SS	6½	* Jackson, Mississippi
Smothers, Charles Washington	SS	38	* † Mt. Meigs, Alabama
Smouse, Clark J.	Bus (SS)	99	* † Morrison
Smuczynski, Joseph Edward	Bus	32	* † Harvey
Smurr, Harriet Cecilia	Jnl		* † Chicago
Smyth, James Kenneth	Bus	13	* † Chicago
Smyth, James Marvin	SS	8½	* † Dexter, Missouri
Smythe, Carl Vincent	PreM		* † Stockton
Snader, Harold Hamilton	ME	3	* † Oak Park
Snapp, Olive Celesta	LAS		* † Georgetown
Snearley, Earl Arthur	Vsp (SS)		* † Greencup
Sneed, George Melvin	LAS		* † Columbia, Missouri
Snell, Gertrude Margaret	LAS	119½	* † Oak Park
Snell, Manning Andrew	Bus		* † Oak Park
Snideman, Mary Virginia	HELAS		* † Wabash, Indiana
Snider, Esther	Bus	28½	* † Danville
Snively, Esther Allen	SS	2	* † Canton
Snively, John Rowe, A.B., 1921	Law	55	* † Lanark
Snoddy, Sherman C	Accy	62	* † Redmon
Snodgrass, Dale Silas	AC		* † Mannington, West Virginia
Snodgrass, Glenn Ralph	AC (SS)	104	* † Mannington, West Virginia
Snodgrass, Harry William	Ag	68	* † Geneseo
Snodgrass, Mary Helena	Bus	56	* † Camaguey, Cuba
Snyder, Carl Huston	Accy	86	* † Neoga
Snyder, Donald Ayres	IA	33	* † Mt. Pulaski
Snyder, Earl Manning	Bus	32	* † Indianola
Snyder, Elizabeth Aileen	LAS	31	* † Mattoon
Snyder, Fred Samuel	Ag		* † Georgetown
Snyder, Le Roy	LG	29	* † Wichita, Kansas
Snyder, Lisle Curtis	Bus	2	* † Urbana
Snyder, Lois Mazelle	Bus	32	* † Urbana
Snyder, Martha Valentine	LAS	30	* † Chicago
Snyder, Mary Edna	HELAS	29	* † Neoga
Snyder, Maurice	PreM		* † Salina, Kansas
Snyder, Mignonne Kathleen	LG	51	* † Chicago
Snyder, Nathan Claude	LAS		* † Sparta, Michigan
Snyder, Ralph John	AE		* † Roanoke
Snyder, Ruth Geraldine	LAS		* † Urbana

Sobel, Herbert	Arch	55	* † Chicago
Sobota, Erich Max	EE		* † Dallas, Texas
Soderberg, Victor Lionel	ChE	109½	* † Chicago
Sogolow, Morris Harris	AC	68	* † Omaha, Nebraska
Solliday, Monroe Franklin	SS		* † Taylorville
Solodoff, Nick Alexander	ME (SS)	83	* † Kursk, Russia
Solomon, Benjamin Robert	Bus		* † Chicago
Somers, Francis Martin	ME	76¼	* † Champaign
Somers, Helen	HELAS	66¼	* † Urbana
Somers, Lee Adrian	Vsp (SS)		* † Urbana
Somers, William Frank	ME	28	* † Rockford
Sommer, Paul Nathaniel	Bus	64	* † Farmer City
Sommers, Byron Scott	CL	49	* † Chicago
Soneson, Phillip Ervin	CE		* † Danville
Songer, James Parker	Bus		* † Hoopston
Sontag, Robert Edward	Bus		* † Chicago
Sorenson, Donald C	PreM		* † Chicago
Sorgatz, William David	Arch		* † Concordia, Kansas
Sortor, Ralph Frederic	ME	121½	* † Kansas City, Kansas
Sostrin, Morris	Law		* † Maywood
Sotier, Alfred Leon	LAS	106	* † St. Louis, Missouri
Soughers, Robert Philip	LAS	15	* † Urbana
Soukup, Roy	ChE	70	* † Cicero
Soutar, Robert	IA	64	* † Chicago
South, William Augustus	Accy (SS)	71½	* † Hammond
Southwick, Lillie Elizabeth	SS		* † Hoopston
Sowards, James Monroe	Bus		* † Pine Bluff, Arkansas
Sowers, Nelson Everett	EPH	77	* † Greenville, Mississippi
Sowler, Helen Margaret	LAS		* † Chicago
Spal, Edward Charles	ME	68	* † Chicago
Sparberg, Max Shane	LAS	120	* † Chicago
Sparks, Mary Elizabeth	HELAS	106½	* † Lincoln
Spates, Ruth Beatrice	HEAgr	35	* † Taylorville
Spaulding, Clarence Benjamin	Agr	163	* † Jacksonville
Speakman, John William	Law (SS)	47½	* † Champaign
Spear, Samuel Horace	Bus	70½	* † Chicago
Spears, Russell Wellington	CE		* † Huntington, West Virginia
Specht, Florence Luella	LAS	16	* † Chicago
Speck, Amos Reuben	Agr		* † Pleasant Plains
Spector, Bernard	Accy unc		* † Chicago
Speers, Duane Collins	LAS (SS)	64	* † Pontiac
Spelman, Arch Edwards	PreM	36	* † Olney
Spence, LeRoy Umberger	Chem	60	* † Peru
Spence, Lloyd William	AC	34	* † La Crosse, Wisconsin
Spencer, Charles Samuel	LAS	61½	* † Vandalia
Spencer, Claude E	SS	8	* † Kahoka, Missouri
Spencer, John Davis	LAS	20	* † Rock Island
Spencer, Lera Margaret	Mus		* † Salem
Spencer, Margaret Julia	LAS		* † Escanaba, Michigan
Spencer, Virginia Goodwin	Ed	78	* † Kaneville
Sperling, Friede	HELAS	34	* † Urbana
Sperling, Ruth Esther	LAS		* † Urbana
Spero, Nathan Sid	Bus	27	* † Waukegan
Sperry, Clarence Edgar	RME	82	* † Alton
Sperry, Gladys Marie	HELAS (SS)	36	* † Urbana
Spiker, Pierpont Potter	Bus	60	* † Atlanta, Georgia
Spills, Dorothy	Jnl	94	* † Chicago
Spinell, Harry	IA	59½	* † Kansas City, Missouri
Spiro, Ralph Herbert	Bus	31	* † Chicago
Spoerer, George Richard	Bus	83½	* † Chicago
Spoor, Clara Marguerite	LAS		* † Urbana
Spoor, Harry Charles, Jr.	Bus		* † Urbana
Sprague, Arthur William	Law		* † Los Angeles, California
Sprague, Carl Tyles	SS		* † Houston, Texas
Sprague, Clementia	SS		* † Canton
Sprague, Fulford Howe	Bus	93½	* † Sheffield
Sprague, John Wilbur	Agr	94	* † Hull
Sprague, Mildred Blanche	LAS	66	* † Joliet
Springer, Helen Leonore	Jnl (SS)	38½	* † Sullivan, Indiana
Springer, Robert Lynn	AC	47½	* † Parsons, Kansas
Sproull, Marie Louise	HELAS	30½	* † Mazon
Spurlock, William Roy	IA	66	* † Huntingburg, Indiana
Spute, Howard George	Eng		* † Depue
Strout, Florence Martin	HELAS	108½	* † Pontiac
Stabler, Harold Robertson	Accy	45	* † Camp Point
Stachel, Edward Henry	EE	109½	* † Glencoe
Stachel, Lad Peter	Flor		* † Glencoe
Stadnichenko, Marie Maximovna	LAS	111	* † Vladivostoc, Russia
Stafford, Harold King	Bus	97	* † Alton
Stafford, Walter Rearick	EE		* † Alton
Stahl, Archie Edward	IA	106	* † Alton
Stahl, Chouteau Platt	EE	66¼	* † Chicago
Stahl, Erwin Frederick	Eng		* † Riverside
Stahl, Floyd Shafter	AC		* † Grover Hill, Ohio
Stahl, Samuel Thomas	LAS	8	* † Chicago

Stabl, William Fred	IA	66	*	Evanston
Staley, Percy Alfred	PreM		*†	Kansas City, Missouri
Staley, Wayne Daniel	ChE (SS)	96	*	Urbana
Stallings, Udell Harrison	SS	7½	*	Alhambra
Stamper, Harry Evan	Bus		*†	Benton
Stanberry, Russell Alva	Accy	29	*†	Charleston
Standard, Clyde Verne	EE		*†	Wyoming
Stanford, Clark Franklin	Agr	69	*†	Forrest
Stanger, Paul Carl	AC	24	*†	Elmhurst
Stangle, Solomon	Bus		*†	Chicago
Stanley, Katherine Kemp	HELAS	64	*†	Decatur
Stanley, Paul McLean	Law		*†	Decatur
Stanley, Ruth Elizabeth	Bus		*†	Chicago
Stansfield, John William	Agr	32	*†	Lawrenceville
Stapp, Helen Isobel	SS	8	*	Chrisman
Star, Jack Irving	Accy		*†	Chicago
Stark, Elizabeth	LAS	33	*†	Urbana
Stark, Elmer Paul	EPH		*†	Chicago
Stark, Hugo Julius	CE		*†	Chicago
Stark, Julian Howard	EE	113	*†	Hume
Stark, Marguerite Eva	LAS	90	*†	Wheaton
Stark, Max William	Bus	114	*†	Hume
Starr, Charles William	Bus	65	*†	Decatur
Starr, Elva Elizabeth	LAS	89	*†	Champaign
Starr, Howard De Lacy	LAS	69	*†	Champaign
Starrett, Luster Lewis	Bus		*†	Peoria
Stauder, Arthur Oscar	Eng	70	*†	Chicago
Stead, George Albert	LAS	70	*†	Griggsville
Stearn, Joseph Bertram	Bus	67	*†	Chicago
Stearns, Torrey Benjamin	LAS	63	*†	Chicago
Steele, William Campbell	FOM		*†	Spring Valley
Steely, John Darrough	IA	34	*†	Watseka
Stefanides, Victor	MinE	96½	*†	Champaign
Stefanoff, Nenko	RME	82½	*†	Gary, Indiana
Steffa, Walter Clyde, Jr.	Agr	33	*†	Chicago
Steger, Danna Mae	Mus		*†	East St. Louis
Steidley, Dorothy Jane	Bus		*†	Bloomington
Stein, Adam Edward	Bus	84	*†	Sibley
Stein, Clarence Cornelius	PreM	90	*†	Cisme
Stein, Harold	Bus		*†	Herrin
Steinberg, Naomi Annette	Ed	100	*†	Chicago
Steinberg, Ruth Rose	Mus		*†	Chicago
Steiner, Margaret L	HELAS		*†	Chicago
Steinhauer, Herbert Edward	Bus		*†	Morrisson
Steinhaus, Emma Mary	HELAS	63	*†	Vandalia
Steinkraus, Walter Carl	ChE	35	*†	Berwyn
Steinman, Clarence Joseph	Bus	95	*†	Chicago
Steinmeyer, Eleanora Alma	LAS	18½	*†	St. Louis, Missouri
Stejskal, Anthony George	ME	63	*†	Chicago
Stelford, Roscoe Cooper	Agr unc	17	*†	Chicago
Stellner, Walter Herbert	LAS		*†	Gilberts
Stemwell, William	CE	111	*†	Danville
Stenicka, Charles Edward, Jr.	SS	141	*†	Maywood
Stepan, Oliver	Arch	62½	*†	Omaha, Nebraska
Stepan, Theodore Emanuel	ME	90	*†	Cedar Rapids, Iowa
Stephan, Frederik Franklin	LAS	70	*†	Cedar Rapids, Iowa
Stephen, Leland Clare Joseph	PreM		*†	Oak Park
Stephens, Charles Jenner	MinE		*†	Joliet
Stephens, Doris Margaret	HELAS	47½	*†	Sparta
Stephens, Eugene Martin	AE		*†	Lacon
Stephens, Lewis	AC (SS)	89½	*†	Cairo
Stephens, Ross	SS	117½	*†	Industry
Stephens, Russell Francis	Bus		*†	Champaign
Stephens, Sarah Elizabeth	LAS	62	*†	Downers Grove
Stephenson, Beatrice Amy	HEAgr	27	*†	Champaign
Stephenson, George Floyd	Vsp (SS)		*†	Bloomington
Stephenson, Harvey Bernard	SS	7	*†	Valley City
Sterenberg, Charles Julian	EE		*†	Morrissonville
Stern, Dorothy Darling	LAS	31	*†	Wheaton
Stern, Eugene Jules	Bus	117	*†	Champaign
Sternaman, Joseph Theodore	Bus	109½	*†	Montgomery, Alabama
Stetler, Roland Guest	Bus	78½	*†	Springfield
Stetler, Warren Edward	SS		*†	Chicago
Stevens, Albert Beveridge	MinE	108	*†	Cleveland, Ohio
Stevens, Alton Rogers	SS	8	*†	Columbus, Indiana
Stevens, Andrew	SS	8½	*†	Oberlin, Ohio
Stevens, Arthur Merchant	Bank	113	*	Greenville
Stevens, Byron Francis	CL	33	*†	Chicago
Stevens, Cora Anna	LAS (SS)	61	*†	Elmhurst
Stevens, Earl Grover	SS	32	*†	Champaign
Stevens, Franklin Alexander	Bus		*†	Jacksonville
Stevens, Frances Lucile	HELAS	101	*†	LaSalle
Stevens, George Davis	Bus	33	*†	Urbana
Stevens, Kenneth Grey	Bus	33	*†	Chicago
Stevens, Marion George	PreM	29	*†	Chicago
			*†	Harvey

Stevens, Norma Woodmaney	LAS	73½	* † Urbana
Stevens, Sybil Isabel	LAS		* † Springfield
Stevens, Walter Judson	Law	68	* † Chicago
Stevenson, Helen Gould	LAS	66	* † Harrey
Stevenson, Jeanette	HELAS	31	* † Harrey
Stevenson, Pauline Roberta	LAS	86½	* † Fairfield, Iowa
Stevenson, Ross James	ME (SS)	131	* † Kansas City, Missouri
Stevenson, Shirley	HELAS	33	* † Gilman
Stewart, Archie Samuel	LAS	36½	* † Wiggins, Mississippi
Stewart, Byron William	FC		* † Paris
Stewart, David Jackson	CE	109	* † Ava
Stewart, Edith Geraldine	LAS		* † Cairo
Stewart, Everett Charles	Bus	84	* † Fowler, Indiana
Stewart, Forrest Augustus	Agr	35	* † Charleston
Stewart, Harold Kille	Agr	101½	* † Charleston
Stewart, John Wilson	SS	1½	* † Champaign
Stewart, Madge Lucile	HELAS	160	* † Monmouth
Stewart, Paul James	AC (SS)	90	* † Chicago
Stewart, Rachel Mae	LAS	29	* † Springfield, Ohio
Stewart, Russell G	Agr		* † Urbana
Stewart, Virgil	Agr		* † Urbana
Stewart, William Martin	Accy	100	* † Alton
Steyermark, Al	ChE		* † St. Louis, Missouri
Stibb, Lillian Marie	LAS		* † Rockford
Stice, James Maurice	Law	24	* † Allamont
Stick, Geneva Lorraine	HELAS	59	* † Muncie, Indiana
Stickle, John Bain	IA	41½	* † Indianapolis, Indiana
Sticklen, Margaret	HEAgr	32	* † Macomb
Stickler, Mabel Christine	LAS	51½	* † Alvin
Stickney, Brewster	LAS	30½	* † Chicago
Stickney, Clifford	LAS	103½	* † Chicago
Stickney, Edith L	LAS		* † Champaign
Stidham, Melissa Geneva, B.S., 1921	LAS irr		* † Mahomet
Stiefel, Franke Benedict	Bus	19½	* † Salina, Kansas
Stiefenhoefer, Howard George	Bus	65	* † Barrington
Stiegemeyer, Edna Joanne	LAS	98	* † St. Louis, Missouri
Still, George Willis	Agr		* † Urbana
Still, Mary Evelyn	LAS	30	* † Urbana
Still, Roy Jennings	AC	75½	* † Spencer, Ohio
Stilwell, Leland Manford Thomas	PreM	65	* † Champaign
Stimes, Omar Malcolm	Agr	68	* † Capron
Stimson, Olive Jeanette	LG		* † Appleton, Wisconsin
Stine, Gertrude June	LAS	10	* † Highland Park
Stippes, Florence Patricia	HEAgr unc	12	* † Chicago
Stixrud, Audrey Beatrice	Mus		* † Winnetka
Stock, Charles Allen	SS		* † Odell
Stockham, Richard James	ME		* † Birmingham, Alabama
Stockwell, Lloyd	PreM		* † Kansas City, Missouri
Stoeckle, George William	Bus	53½	* † Sterling
Stoetzel, Edward Duane	ME	60	* † Oak Park
Stoevener, Leona Bertha	HELAS	99½	* † Raymond
Stohrer, Walter Albert Fred	Bus	112½	* † Chicago
Stoik, Theron LeRoy	Bus	32	* † Clinton, Iowa
Stokes, Richard Shumway	Chem		* † Springfield
Stokke, Edgar Milton	CE		* † LaCrosse, Wisconsin
Stoll, Alma	LAS (SS)	100	* † Aurora, Indiana
Stoll, Herbert Mannel	CE	108	* † Oak Park
Stolte, John F	Bus	12	* † Waterloo, Iowa
Stoltey, Kenneth Young	LAS		* † Champaign
Stoltey, Marjorie Zell	LAS	103½	* † Champaign
Stomppe, Albert Weenink	Bus	34	* † Chicago
Stone, Elizabeth Louise	LAS	70	* † Belvidere
Stone, Elnor Bernice	Mus		* † Danville
Stone, Helen Adeline	LAS	60	* † Potomac
Stone, Ralph Heard	ME		* † Harrisburg
Stoneman, Aloysius Charles	IA		* † Francis Creek, Wisconsin
Stookey, Charles Abram, Jr.	SHAEd	74½	* † Belleville
Storer, Esther Susan, A.B., 1918	LAS irr		* † Champaign
Storer, Wilson Bates	Accy (SS)	94½	* † Centralia
Storm, Mona Gertrude	LAS	63	* † Morrisontville
Story, Helen Dale, B.A., A.M., 1912, 1916	SS		* † Coin, Iowa
Stosskopf, George William	ME	31	* † Evanston
Stotlar, Owen Edwin	Bus	33	* † Marion
Stout, George William	LAS	58	* † New Castle, Indiana
Stout, Ruth Marie	Bus unc		* † Champaign
Stowell, Charles Jacob, B.S., A.M., Ph.D., 1911, 1912, 1917	SS		* † Urbana
Stracke, Walter Louis	LAS	34	* † Warsaw
Strader, George Michael	AE	111	* † Danville
Strader, Kenneth Harold	ChE	113	* † Denver, Colorado
Strahan, John Buford	Bus		* † Union City, Indiana
Strain, Robert Mulford	SS	48½	* † Decatur
Strandberg, Avery	SS	60½	* † Lockport
Stratton, Mrs. Edna Florence	SS		* † Normal
Straub, Lorenz George	CE	126½	* † Kansas City, Missouri

Straube, Alf Gustav	LAS	37	* † Milwaukee, Wisconsin
Strause, J. Jacques	Bus	26	* † Peoria
Strauss, Evan Bryson	Bank	118½	* † Gibson City
Strawbridge, Robert Halberlin	Bus		* † Maywood
Strawn, Chester Colleser	Bus		* † Ottawa
Strawn, Frances Mary	SS		* † Jacksonville
Streed, Irene Amy	LAS	23	* † Moline
Street, James Merwyn	EE		* † Chicago
Street, John Maynard	SS		* † Northfield, Minnesota
Stresser, Thomas Cornelius	RME		* † Chicago
Strickland, Herschel Francis	Bus		* † Urbana
Strike, Clifford Stewart	ME	73	* † St. Joseph, Missouri
Stringer, Harold Huddard, Jr.	Bus (SS)	93	* † Davenport, Indiana
Strobel, John Elroy	MinE	45½	* † Waukegan
Strode, Harold William	Bus		* † Champaign
Strohecker, Warren Dale	SS	135	* † Freeport
Strohecker, Alma	LAS	64	* † Barry
Strohecker, Cora Jane	Bus	60	* † Barry
Strohm, Gladys Olivia	LAS	70	* † Elgin
Strom, George William	EE	55	* † Joliet
Strombeck, Mearl Donald	IA	106½	* † Plymouth, Indiana
Stromberg, Paul Lewis	Arch		* † Rockford
Strong, Alice Mae, B.S., 1921	Lib	19	* † Mitchell, South Dakota
Strong, Fred Harry	Bus	99	* † Chicago
Strong, Orrin Dale	Agr	39	* † Rushville
Strong, William Stanley	Bus	58	* † Morris
Strouce, Frank Arnold	CE	29½	* † Chicago
Strout, Frank Hiram	REE	64½	* † Harvey
Strubinger, Lucian Hart	Agr	84	* † Barry
Strum, Arthur Leander	SS	7½	* † Seattle, Washington
Stuart, Winifred Mable	HELAS	64	* † Champaign
Stubblefield, Ray Edison	Agr	102	* † Bloomington
Stubbs, Sadie Levina	Law unc		* † Lincoln, Nebraska
Studebaker, William Taylor	Bus	67	* † Logansport, Indiana
Studt, Frederick Henry	Bus		* † Chicago
Stuebe, John Joseph	Bus	32½	* † Chicago
Stuebe, Leonard Russell	Accy	87	* † Danville
Stuhr, Harry William	AE		* † Rock Island
Stulginskis, Bruce Alexander	EE	70	* † Westville
Stull, Hazel Golda	LAS	58	* † Centralia
Stull, Verna Mabel	LAS	27	* † Centralia
Stumm, William Mathew	Agr		* † Taylorville
Sturdivant, William Okeson	Bus	62½	* † Chicago
Sturdyvin, Evelyn Marie	LAS	63	* † Champaign
Sturgis, Charles Ernest	Bank	43	* † Bluffton, Indiana
Styan, Dorothy Etna	HELAS		* † Champaign
Styan, Ronald Jackson	Agr		* † Sadorus
Suehrstedt, Henry George	CE	108	* † Hinsdale
Suggs, Joseph Edward	AC	46	* † Fayetteville, Tennessee
Suits, Howard Lamar	Agr	23½	* † Hillsboro
Sullins, Gladys	LAS	60	* † Marshall
Sullivan, Besse	HELAS		* † Marion
Sullivan, Clementine Catherine	PreM		* † Chicago
Sullivan, Dennis Paul	PreL	14	* † Stonington
Sullivan, Edna Frances, A.B., 1919	SHHEEd irr		* † Champaign
Sullivan, George Frohman	Agr	33	* † Wellington
Sullivan, Leroy Morris	Law		* † San Benito, Texas
Sullivan, Paul Harry	Bus	106	* † Attica, Indiana
Sullivan, Pike Houston	Bus	25	* † Decatur
Sullivan, Robert Leon	LAS		* † Chicago
Sullivan, Robert Rudolph	PreL		* † Cairo
Sumarkoff, Leonard Paul	Arch (SS)	15	* † Urbana
Summerfield, Robert Lloyd	LAS	30	* † Chicago
Sun, Oliver Lawrence	Bus (SS)	63	* † Shanghai, China
Sundberg, Dorothy Edith	LAS		* † Chicago
Sunkel, John Voorhees	EE		* † Dudley
Supirak, Michael Peter	CE	35	* † Cicero
Sutter, John Henry	Arch	30½	* † Winnetka
Sutton, Charles Reuel, B.S., 1921	LG irr (SS)		* † Ottawa
Sutton, Delbert Sylvester	Bus	22	* † East Chicago, Indiana
Sutton, Mark	AC	62	* † Terre Haute, Indiana
Svihla, Arthur	LAS	67	* † Chicago
Swaim, Robert Steven	Bank	34	* † Chicago
Swain, Burton Franklin, Jr.	Bus	16½	* † Shelbyville, Indiana
Swander, Edith Lorene	LAS	60	* † Cerro Gordo
Swander, Glenn Deneen	AC		* † Cerro Gordo
Swanson, Elizabeth Mae	LAS (SS)	6	* † Urbana
Swanson, Eric Russell	Bus		* † Chicago
Swanson, Harold George	ME	60	* † Chicago
Swanson, Joseph Arthur	SS	67½	* † Mason City, Iowa
Swanson, Lillian Emelia	SS	17½	* † Monmouth
Swanstrom, Arthur R.	Bus		* † Champaign
Sward, Eleanor Christine	LAS	23	* † Chicago
Swartz, Carl Errett	Chem	109	* † Danville
Swartz, Cecil Augustus	SS	131½	* † Williamsfield

Swartz, Eugene Harvey	Accy	32	* †	Champaign
Swartzberg, Morris Louis	Law unc		†	Urbana
Swearingen, Clair Vere	MSE	131 $\frac{3}{4}$	* †	Champaign
Swearingen, James Isaac	Ed (SS)	100	* †	Heyworth
Swearingen, Lellia Fern	LAS	30	* †	Champaign
Sweeley, Harry Don	SS	56 $\frac{1}{2}$		Montoursville, Pennsylvania
Sweeney, Marshall Joseph	Bus	30	* †	Chicago
Sweet, Helen	LAS		* †	La Grange
Sweet, Paul Cunliffe	AC	102	* †	Battle Creek, Michigan
Sweet, Robert Lockwood	Bus	65	* †	Kansas City, Missouri
Swenson, Carl Adolph	Law	37 $\frac{1}{2}$	* †	Rockford
Swenson, Milton Theodore	Bus		* †	Chicago
Swett, Mary Lyell Ritchie	HELAS	67	* †	Chicago
Swift, Alden Willis	Bus		* †	Lake Forest
Swift, Helen Louise	LAS	98	* †	Beldere
Swindells, Sara Ann	LAS		* †	Chicago
Swinehart, Pauline Marguerite	LAS	34	* †	Champaign
Swinehart, Virginia Katherine	LAS		* †	Chicago
Switzer, Fenton Mervyn	Bus	30	* †	Farina
Switzer, George Benjamin	LAS	99 $\frac{3}{4}$	* †	Plymouth, Indiana
Swope, Helen Gladys	LAS		* †	Chicago
Tabor, Hubert Baker, B.S., 1922	SS	138 $\frac{1}{2}$		Sullivan
Tabor, Marion Esther	LAS		* †	Chicago
Taggart, Grace Lucille Harper	LAS	32	* †	Murphysboro
Taheny, John Aloysious	EE	24	* †	Chicago
Tai, Hon Hang	Bank	51	* †	Hong Kong, China
Tait, Leonard Gordon	CerE			Champaign
Tait, Malcolm Aikman	Bus	30	* †	Evanston
Talbot, Ralph Hayes	ChE	26 $\frac{1}{2}$	* †	Champaign
Talbott, James, B.S., 1919	SS	133 $\frac{3}{4}$		Sterling
Talkington, Charles Benjamin	Bus unc	14 $\frac{1}{2}$	* †	Viriden
Talkington, Eldon Arnold	Bus	12 $\frac{1}{2}$	* †	Viriden
Tall, Winston Burwell	Chem (SS)	100 $\frac{3}{8}$	* †	Chicago
Talley, Charles Vaughn	CE		* †	Mattoon
Tallmadge, Amy Jeanette	HEAgr		* †	Yorkville
Tallman, John Wheeler	MSE		* †	Geneva
Talmage, Daniel H	Bus	93	* †	Champaign
Tamborel, Manuel	ChE (SS)	69 $\frac{1}{4}$	* †	Mexico City, Mexico
Tan, Pan Hsien	EE		* †	Hunan, China
Tangerman, John Albert	Jnl	30	* †	Hammond, Indiana
Tankersley, A Enid	LAS	96	* †	Chicago
Tankersley, William Normand	Bus	24 $\frac{1}{2}$	* †	Chicago
Tanner, Newell Wilson, B.S., 1921	SS	148		Aurora
Tanner, Norbert Peter	CE	71	* †	Chicago
Tanner, Virgil Ray	PreM (SS)	8	* †	Carterville
Tappan, Edward Arthur	AC	64	* †	Urbana
Tappan, Mabelle	Accy	32	* †	Urbana
Tarbell, Charles Gilman	Bus	102	* †	Waterloo, Iowa
Tarbox, Sidney Eugene	LAS	32	* †	Yorkville
Tarrant, Berrien Wilbur	Bus	32	* †	Chicago
Tarrant, Victoria Kimball	HELAS	68	* †	LaGrange
Tascher, Wendell Russel	Agr	86 $\frac{1}{2}$	* †	Ashkum
Tashof, Sophia Poppers	LAS	71	* †	Washington, D. C.
Tate, Roy O	SS	4 $\frac{3}{4}$		Winslow, Indiana
Taubert, Edward August	LG	39	* †	Cassellton, North Dakota
Taufert, Joseph Edwin	Bus		* †	Chicago
Taxon, Philip Louis	PreL	30	* †	Rockford
Taylor, Florence Irene	SS	56		Philo
Taylor, Aurilla Mattie	SS	15 $\frac{1}{2}$		East St. Louis
Taylor, Bert Sidney	Chem	109	* †	Springfield
Taylor, Byron Eldred	AC	31	* †	Princetonville
Taylor, Chalmer Cline, A.B., 1920	Law	56 $\frac{3}{4}$	* †	Champaign
Taylor, Charles Emile	Accy (SS)	24	* †	Harrisburg
Taylor, Dolores Ellen	SS	23		Arthur
Taylor, Donald Francis	ChE	33	* †	Woodstock
Taylor, Eleanor Jane	LAS	47	* †	Indianapolis, Indiana
Taylor, Eugene Emerson	SS	76 $\frac{1}{4}$		Le Roy
Taylor, Frank Mackey	ME		* †	Mattoon
Taylor, George Ernest	LAS		* †	Marshall
Taylor, George Y	EE	125 $\frac{1}{4}$	* †	Bismarck
Taylor, Harold John	Law	28	* †	Effingham
Taylor, Mrs. Helene Browne	Bus	7	* †	Mooreville, Indiana
Taylor, Irwin Clayton	Law		* †	Kankakee
Taylor, Isadore Louise	LAS		* †	Chicago
Taylor, James Erwin	Bus	30	* †	Grayville
Taylor, John Wesley	SS	9 $\frac{1}{2}$		Spokane, Washington
Taylor, Kenneth Archibald	ME		* †	Virginia
Taylor, Robert Bell	EE	48	* †	Peoria
Taylor, Robert Roehen	Bank	48	* †	Tuskegee, Alabama
Taylor, Theodore John	Bus		* †	Streator
Taylor, William Herman	Bus	90	* †	Decatur
Taylor, William Marion	Agr	30	* †	Virginia
Taze, Edwin Harold	ME	35	* †	East Moline
Teed, Deloss Frederick	Bus	22	* †	Springfield, Missouri
Teeter, Louis Blair	LAS	60 $\frac{1}{2}$	* †	Carbondale

Teeters, Esther Florence	LAS (SS)	16	* + Auburn, Indiana
Teetor, Donald Hartley	Bus	24½	* + Hagerstown, Indiana
Tegtmeier, Adolph Henry	Bus	84	* + Campbell Hill
Tegtmeier, Arthur Henry	CE		* + Chicago
Tegtmeier, Celia Emma	Bus	50	* + Chicago
Telling, Gerald C	Accey	63	* + Decatur
Temple, Arthur	Arch		* + Davenport, Iowa
Temple, Claude Marion	LAS	112½	* + Mattoon
Templeton, Mark Miller	Chem	101	* + Palestine
Templin, Ethel May	LAS	59½	* + Burley, Idaho
Templin, Katherine Louise	LAS	19	* + Champaign
Tendick, John Samuel	Bus	128½	* + Canton
Tenenbom, Lily	LAS	61	* + Davenport, Iowa
Tener, Dorothy Wallis	LAS	63	* + East Cleveland, Ohio
Tenney, Ralph Emerald	ME	31	* + Blackwell, Oklahoma
Tenney, Robert Lewis	Bus		* + Oak Park
Tennis, Gayland Everette	Agr (SS)	50	* + Robinson
Tepper, Manie	CL		* + Urbana
Terence, Charles Herman	Jnl		* + Peoria
Terrill, Max Thomas	Bus	33	* + Macomb
Teuscher, John Ernst	AC (SS)	104	* + St. Louis, Missouri
Teuton, George Almon	Accey (SS)	66	* + Metropolis
Thacker, Jewel Ernest	Agr		* + Vienna
Thackham, Edwin William	Bus	107	* + Moline
Thayer, Bess Alice	LAS (SS)	101	* + Urbana
Thayer, Ernest Adelbert	LA	56	* + Urbana
Thayer, Janet Campbell	LAS	47½	* + Chicago
Thayer, Mildred Evelyn	LAS	65	* + Chicago
The, Kok Tie	Bank (SS)	91	* + Ampanan, Dutch East Indies
Theodoroff, Jordan	ME (SS)	74	* + Djoumoir, Bulgaria
Thiel, Emery George	Accey	101½	* + Bryan, Ohio
Thiel, Ernest Aloysius	LAS	88½	* + Chicago
Thilo, Charlotte Marcia	LAS	26½	* + Chicago
Thoenig, Albert William	Bus		* + Tuscola
Tholin, Albert Linne	MSE	87½	* + Downers Grove
Thomsan, William Hall, Jr.	CE	75½	* + Peoria
Thomas, Averil Ellis	Jnl		* + Centralia
Thomas, Carroll Lawhon	PreL		* + San Benito, Texas
Thomas, Dorothy Evelyn	Bus		* + Quincy
Thomas, Dorothy Evelyn	HELAS	56	* + Aurora
Thomas, Edythe Josephine	LAS	79	* + Green Bay, Wisconsin
Thomas, Emile Woodson	Agr	58	* + St. Louis, Missouri
Thomas, Frederick Hayward	LA	110	* + Moline
Thomas, Harl Roberts	Bus	26	* + San Benito, Texas
Thomas, Horace Emerson	Bus		* + Oklahoma City, Oklahoma
Thomas, Howard Wesley	Arch	32	* + Philadelphia, Pennsylvania
Thomas, James Gladwyn	LAS	105	* + Oklahoma City, Oklahoma
Thomas, John Theron, A.B., 1920	Law	85½	* + Champaign
Thomas, Lora Frances	LAS		* + Oak Park
Thomas, Raymond Stanley	Bus	100½	* + Vernon
Thomas, William Owen	Bus		* + Little Rock, Arkansas
Thompson, Augustus Charles	Eng	29	* + Peoria
Thompson, Catharine	Ed	60	* + Paxton
Thompson, Charles Woody	SS	180½	* + Urbana
Thompson, Clinton Samuel	EE (SS)	92½	* + Ullin
Thompson, Clyde Lowry	CerE	35	* + Mt. Vernon
Thompson, Curtis Orton	SS	5	* + Decatur
Thompson, Donna Grace	LAS	30	* + Chicago
Thompson, Farley Lynn	AC	32	* + Girard
Thompson, Hale Arthur	LAS	39	* + Darlington, Wisconsin
Thompson, Harold Dean	CE	46	* + Chicago
Thompson, Henry Robert	LAS		* + Leland
Thompson, Jacqueline Winifred	LAS	65	* + Evanston
Thompson, Lee Elric	SS		* + Saybrook
Thompson, Pearl	Mus unc		* + Chicago
Thompson, Ralph Langton	Bus (SS)	91	* + Sullivan, Indiana
Thompson, Robert Drummond	LA		* + Pontiac
Thompson, Winifred Pearl	Mus		* + Oak Park
Thomsen, Helen Margaret	LAS	60	* + Fulton
Thorne, John Farley	Accey	70	* + Forrest
Thorne, Mary Katharine	Bus		* + Mossville
Thornhill, Walter Roger	LAS	26½	* + Champaign
Thornsburch, Thelma Theo, A.B., 1921	Lib (SS)	6	* + Urbana
Thornsburch, Virginia Lile	LAS		* + Urbana
Thornton, Enos Barton	CHE	111½	* + Chicago
Thornton, King Noble	SS	81½	* + Princeton, West Virginia
Thornton, Ray Spencer	SS	81½	* + Princeton, West Virginia
Thornton, William Ferguson	CE	113	* + Chicago
Thorpe, Alonzo Valede	SS	180	* + Detroit, Michigan
Thory, Hans Christian, A.B., 1920	SS	184½	* + Urbana
Thrasher, Chauncey Albert	CHE (SS)	109	* + Thaurville
Thrasher, Ruth Elizabeth	LAS	97	* + Kansas City, Missouri
Threlkeld, Marie	LAS	34	* + McLeansboro
Thurman, Leslie Clinton	LAS	68	* + Kansas City, Missouri
Thurston, Blair Edwin	ME	27	* + Rockford

Ticen, Geneva Alice	SS	157½	* † Colfax, Indiana
Tick, Goldie	LAS		* † Clinton
Tiedemann, Bert Justin	LAS	95½	* † O'Fallon
Tiets, William John Henry	REE	65	* † Chicago
Tilds, Marion Hannah	HELAS	98	* † Milford
Tilkemier, Clarence	Bus		* † Dakota
Tilsy, John William	Agr	122½	* † Lockport
Titus, Albert James	PreM	53	* † Bloomfield, Indiana
Tobias, Vernon Hardell	Agr (SS)		* † Washington
Tobin, John Francis	ME	108	* † Gilberts
Tod, Ida Florence	Ed (SS)	116½	* † Urbana
Todd, Marguerite Mildred	LAS		* † Chicago
Todd, Roscoe Johnson	SS	151	* † Elgin
Tolch, Noah Arthur	MfnE	72	* † Sigel
Toll, Karl Harold	Accy	69	* † Chicago Heights
Tolle, Harold Van Meter	Bus	60	* † Cairo
Tolson, James Samuel	Bus		* † Chicago
Tomasek, Joseph Anton	ME	40	* † Chicago
Tombaugh, Reid Raymond	Agr (SS)	36	* † Pontiac
Tomlin, Bernard A	Agr	92	* † Easton
Tomlin, Reuel Marvin	Agr	81	* † Easton
Tomm, George Edward	Agr	114	* † Delavan
Toney, Leita Elizabeth	LAS	32	* † Chicago
Toon, Dewey	SS	7	* † Burns City, Indiana
Toon, Sheldon Raymond	SS	8	* † Burns City, Indiana
Topper, Martin	AC	57½	* † Chicago
Topping, Malachi Combs	PreM	30	* † Terre Haute, Indiana
Torrance, Philip Mitchell	EE		* † Urbana
Tosetti, Arthur Charles	CE		* † Nokomis
Touff, Hirsch	Agr unc	17	* † Chicago
Touff, Joseph	Accy	67	* † Chicago
Tousley, Victor Hugo, Jr.	EE		* † Chicago
Tower, Frederick Willis	PreL		* † Chicago
Tower, Robert Cooley	Eng	37	* † Chicago
Towle, Dorothy Elizabeth	LAS	38	* † Urbana
Towle, Roland Arthur	PreL		* † Pekin
Towle, Warren Wilder	LAS	14	* † Urbana
Towle, Willard Martin	EE		* † Chicago Heights
Towne, Allen Erastus	Bus	45½	* † Park Ridge
Towne, Milton Gaines	Agr	91	* † Fayetteville, Arkansas
Townsend, Elizabeth	LAS	48	* † LaGrange
Townsend, Kitsy D	SS	8	* † Bonne Terre, Missouri
Townsend, Nellie Ferne	Bank	115½	* † Sidney
Townsend, William Baker	RCE		* † LaGrange
Townsley, Kathryn Irene	LAS (SS)	98	* † Decatur
Tozier, Besse Mildred	Mus unc		* † Champaign
Tozier, Joseph Benjamin	LAS		* † Champaign
Traeger, Joyce	SS	8	* † Mattoon
Traksl, Louis Alex	Jnl	23	* † Oak Park
Trank, Ralph Allen	SS	130½	* † Rockford
Trank, Rudolph Carson	Bus		* † Rockford
Traut, Francis Harry	Bus	100½	* † St. Louis, Missouri
Trautmann, Henry William	Agr (SS)	113½	* † Peoria
Trautvetter, James Willford	AE		* † Peoria
Trautwein, Mary Margaret Alene	LAS	57½	* † Morrison
Travers, Arthur Hopkins	Bus	25½	* † Chicago
Treadway, John Wyckoff	CE	42	* † Virden
Treadwell, Charles Humphrey	PreM	15½	* † Chicago
Treadwell, Laura Emma	LAS	101	* † Kansas City, Missouri
Tredwell, Frederick Randolph	Bus	30	* † Chicago
Tree, Ethel Mildred	IEd	101¾	* † South Wayne, Wisconsin
Trenchard, Wendell Bondurant	Agr unc	30	* † DeLand
Trenkle, Howard Raymond	Bus	107½	* † Farmer City
Trent, William Russell	Flor unc		* † Spencer, Indiana
Tress, Esther Marie	HELAS (SS)	70	* † Chicago
Trevarthen, George William	Agr unc		* † Scales Mound
Trexler, Leonard Ervin	EE	77	* † Wheeler
Trias, Rafael Ferrer	Bus (SS)	116½	* † Cavite, Philippine Islands
Trigg, Blanche	SS		* † Joplin, Missouri
Triggs, Laurence Fuller	LAS (SS)	107	* † Huntington, Indiana
Trissal, John Meredith	REE	36	* † Chicago
Troche, Ernest Richard	ME	37	* † Cicero
Trosper, William Bossie	SS	6½	* † Gray, Kentucky
Trovillion, Paul LaRue	Agr (SS)	39	* † Brownfield
Truax, Allison Eugene	SS	72½	* † Crystal Lake
Truckenbrod, Gilbert John	Agr	33	* † LaMoille
True, John Henry	Bus		* † Davenport, Iowa
Trummel, Russell Groves	FOM	34	* † Oreana
Tsao, Kui Yao	RA (SS)	78½	* † Sian City, China
Tubbs, Helen Blanche	SS	6	* † Danville
Tucker, Gerald Thompson	SS	139½	* † Decatur
Tucker, Hazel	LG	80½	* † Champaign
Tucker, Hubert Herman	Agr		* † Paris
Tucker, John Gordon	EE	110	* † Centralia
Tucker, LeRoy, A.B., 1912	RCE irr		* † Topeka, Kansas

Tucker, Levon Morrel	EE	60	* † Galesburg
Tucker, Louise Marion	LAS		* † Mt. Vernon
Tucker, Lowell Ray	Agr		* † Paris
Tucker, Mary Elizabeth	LAS		* † Warrensburg
Tucker, Paul Leonard	AC	55½	* † Ligonier, Indiana
Tucker, Pauline Lillian	LAS	67	* † Metropolis
Tucker, Ruth Emma	HELAS	180	* † Warrensburg
Tudor, Edward Orin	PreL (SS)	37	* † Chicago
Tukey, Edwin Cubberly	Bus (SS)	102½	* † Marion, Indiana
Tukey, Gertrude Dodge	LAS	99	* † Berwyn
Tulpin, Mary Ruth	LAS	70½	* † Franklin
Tung, Shu Doh	ME	188½	* † Honan, China
Tunnell, Harold	Law	27½	* † Hornsby
Tupy, Leslie Twain	CL	50	* † Chicago
Turner, Edward James, Jr.	LAS		* † Casey
Turner, Jesse Harold	SS	5	* † Chicago
Turner, Jonathan Baldwin	Agr	98	* † Buller
Turner, Lewis McDonald	Ed	104	* † Heyworth
Turner, Oral Yvetta	HEAgr	62	* † Urbana
Turner, Wayne Yambert	CE		* † El Paso
Turner, William McKinley	SS	6½	* † Marshall
Turner, William Willis	PreM		* † Taylorville
Turner, Winston Haywood	LAS (SS)	55½	* † Chicago
Turpin, Elizabeth Mae	Mus	82	* † Decatur
Turton, Lester Miller	Bus (SS)	70	* † Chicago
Tuthill, Gray Butler	CerE (SS)	73	* † Chicago
Tuttle, John Donald	Arch	115½	* † Chicago
Tuttle, Phineas Harrison	Agr	29½	* † Decatur
Tuxhorn, David Bruce	Eng	64	* † Edwardsville
Twardock, James Arthur	Agr	107½	* † Woodstock
Tweed, John Arthur	Accy	32	* † Millville, New Jersey
Twente, Asa WeWitt	PreL		† Cairo
Twente, Lucy Beatrice	SS	8½	Cairo
Twitchell, Helen Faith	LAS	51	* † Aurora
Twigg, Charles Edward	Agr	62	* † Paris
Twinting, Harold Chauncey	Bank	26	* † LaGrange
Twinting, Walter Scott	Bus		* † LaGrange
Twitchell, Alvin Greenwood	SS	½	* † Beaver, Utah
Twitchell, Benjamin Edward	PreM	32	* † Belleville
Twitchell, Helen Esther	LAS	64	* † Belleville
Tyler, Frank Adelaide	HELAS	30	* † Cambridge
Uchacz, Stanley Clemens	Agr (SS)	95	* † Chicago
Udelowish, Harold Lea	Bus		* † Chicago
Udwin, Gertrude	LAS	12	* † Chicago
Uhler, William George	Eng	35	* † Cicero
Ulrey, Orion	Agr	103	* † Martinsville
Ulrich, Gertrude Elizabeth	LAS (SS)	102	* † Boswell, Indiana
Umnus, Leonard John	AC	31	* † Menominee, Michigan
Umphlet, Chris	PreM	103	* † Kensal, North Dakota
Underhill, George Ellsworth	Bank (SS)	113	* † Elgin
Unger, Charles Albert	Vsp (SS)		* † Danville
Unger, Martin Emil	FOM	29	* † Chicago
Upham, Edward John	Bus	26	* † Pontiac
Urbancek, Joseph John	Ed (SS)	66½	* † Coffeen
Uslander, Richard	PreM	16½	* † Chicago
Usrey, Virgil Ray	Agr (SS)	46	* † Marion
Uthus, Clarence Bruce	AE	120	* † Milwaukee, Wisconsin
Utiley, Margaret Lynne	LAS unc		† Grand Rapids, Michigan
Utley, Philemon McGee	SS	7	Wake Forest, North Carolina
Utterback, Arthur Carroll	Bus	39½	* † Saltfork, Oklahoma
Utterback, Austin Lee	EE (SS)	84½	* † Springfield
Utzig, Esther Wilhelmina	LAS	60	* † Chicago
Vacin, Milo Edward	PreM	57	* † Chicago
Vail, Nina Lee	SHHEEd (SS)	91½	* † Galesburg
Valbert, Jewel N	Bus	38	* † Flora
Valentine, Richard Clifford	IA	32½	* † Rockford
Van Antwerp, Lucille Blanche	LAS	61	* † Louisville, Kentucky
Van Bellehem, Lorna Brice	LAS	33	* † Decatur
Van Buskirk, Verne Francis	Agr		* † Seymour
Vance, John Raikes	LAS unc		* † Boise, Idaho
Vance, Paul Andrew	EE	109	* † Urbana
Vance, Philip Wesley	Bus		* † Kiawa, Kansas
Vance, Ruth Elizabeth	Jnl	31	* † Urbana
Van Dam, Ernest	SS	63	* † Ludlow
Van Den Bussche, Maria Margarita	LAS	98	* † Moline
Vanderbeck, Irma Margaret	LAS	63	* † Rockford
Vandermark, William Robert	Bus		* † Champiagn
Van der Meer, Valentine	Bus	71	* † Chicago
Van Dervoort, Louise Annette	LAS	33	* † Moline
Vandervoort, Paul Webster	EE		* † Heyworth
Vandervoort, Florence Candace	HEAgr	27	* † Kankakee
Vandervoort, Maurice Linwood	AE	108	* † Kankakee
Vandiver, Annemay	SS	8	* † Knoxville, Tennessee
Van Dolah, Delos	FC	64	* † Urbana
Van Doorn, James Arthur, Jr.	CerE	37	* † Quincy

Van Doren, Walter Earl	Bank	81	* † Champaign
Van Dyke, Fred Henry	SHAE	65½	* † Ashley
Van Dyke, Seth Howard	SS	19½	* † Mason
Van Graan, Hoop Steyn	RA	102	* † Brandport, South Africa
Van Horne, John	LAS unc		* † Urbana
Van Liew, John M	SS	7½	* † Des Moines, Iowa
Van Liew, Virginia Catherine	Bus		* † Des Moines, Iowa
Van Meter, Thomas Hart	PreM	32½	* † Greeley, Colorado
Vannier, Carl Harvey	Bus	32½	* † Bluffs
Van Sant, Howard Merriam	Accy		* † Farina
Van Sant, Walton Kenneth	SS		* † Annapolis, Maryland
Van Sickle, Sam Gilbert	SS	50½	* † Kokomo, Indiana
Van Tress, Robert Templeton	Flor	23	* † Ladd
Van Tuyl, Ruth	SS	8	* † Minneapolis, Minnesota
Varner, Guy Francis	SS	9½	* † Bushnell
Varney, Clara Elsie	HELAS	29	* † Delavan
Vaughan, Rupert Harold	Agr	4½	* † Sullivan
Vaughan, William Freeman	Vsp (SS)		* † Burnt Prairie
Vaughn, Harold	AE (SS)	68½	* † Omaha, Nebraska
Vaughn, Postelle Anderson	LAS	35	* † Hopkinsville, Kentucky
Vaupel, Carl Herman	ME	52	* † Pekin
Vayo, Theodore William	MinE	26	* † Chicago
Veatch, Isaac Allen	Agr		* † Bloomington
Veihl, Ernest Edmund	ME	69	* † Granite City
Velsey, Seth Mark	Arch		* † Indianapolis, Indiana
Vendig, Irvin	LAS	30	* † Chicago
de Venecia, Germon	ME		* † Dagupan, Philippine Islands
Vennum, Fredrick Coney	Bus		* † Watska
Vent, Vivienne Victoria	LAS	80½	* † Decatur
Veroce, Constance Muriel Beverley	LAS	120½	* † Highland Park
Vernon, George Heywood, Jr.	PreM	30	* † Beardstown
Veronda, William Jennings	IA (SS)	103½	* † Carbond Hill
Vespa, Daniel	CE		* † Toluca
Vespa, David Raphael	FC	28½	* † Toluca
Vessoff, Peter John	Bus	24	* † Sofia, Bulgaria
Vial, Jane Lucile	LAS		* † LaGrange
Viall, Doris Marian	CCS (SS)	6	* † Manteno
Vick, Ora Harold	AE		* † Decatur
Victor, Sturges LaVerne	Agr (SS)	103	* † Onarga
Vine, Ben Clark	Bus	64	* † Alton
Vineyard, Violet	SS	8	* † Pinckneyville
Vinke, Theodore Henry	PreM	30	* † South Holland
Vinsel, Kenneth Paul	SS	6½	* † Des Moines, Iowa
Violette, Robert Bluford	Law	39	* † Fort Worth, Texas
Voelkel, Clarice Jean	Mus		* † Pesotum
Voell, Herman John	ME		* † Chicago
Voelpel, William F	IA	70½	* † Peoria
Vogeding, Dwight Karl	LAS	92	* † Chicago
Vogel, Otto Henry	AC (SS)	94	* † Davenport, Iowa
Vogel, Ralph Emerson	ME	108	* † Princeville
Voge, Irene M	LAS		* † Urbana
Voge, Leon Otis, B.S., 1922	Lib		* † Urbana
Vogt, Milton Albert	IA	76½	* † Columbia
Vohs, Allen James	IA		* † LaSalle
Voight, William Albert	IA	34	* † Chicago
Voke, Mary Louise	LAS		* † Rockford, Ohio
Volcsko, Michael	ChE	34½	* † Gary, Indiana
Volkert, Harold Frederick	Bus		* † Chicago
Volland, Frederick Adolf, Jr.	PreL	37	* † St. Louis, Missouri
Volle, Reva Margaret	HEAgr		* † Mt. Pulaski
Vollintine, Eddie Witmer	Arch	28	* † Taylorville
Voltz, Leslie Sherman Lewis	MinE	31	* † Springfield
Volz, Rosalie Charlotte	LAS	32	* † Chicago
Von Ohlen, Henry Kenneth	LAS		* † Leland
Voorhees, Joshua Dixon	CE		* † Urbana
Vorhees, Mrs. Sarah Esray	HEAgr		* † Urbana
Voris, Max Raymond	Agr (SS)	69½	* † Stewardson
Vorse, Barbara Bertha	LG	66	* † Salt Lake City, Utah
Voss, Adolph George	Bus	29½	* † Chicago
Voss, Esther Katherine	HELAS	62½	* † Wilmette
Votaw, Hazel Dolores	Ed (SS)	103½	* † Urbana
Votaw, Stewart Ernest	Bus (SS)	34	* † Urbana
Vreeland, Helen Olive	HELAS	80	* † Champaign
Vreeland, Henry Kipp	Law	34	* † Champaign
Vrchota, Thomas P	PreM		* † Chicago
de Vry, Edward Bernard	Bus		* † Chicago
Wade, Doris Elizabeth	LAS		* † Danville
Wade, James Clare	Bus		* † Chicago
Wagenknecht, Theodore William	Bus	110	* † Oak Park
Wagenknecht, Algernon Roberts, Jr.	Agr	103	* † LaGrange
Wagner, Carlos John	AC (SS)	27½	* † Burlington, Wisconsin
Wagner, Catherine Marie	HELAS		* † LaSalle
Wagner, Clarence Arthur	SS	10½	* † Belleville
Wagner, Clifford Monroe	Agr	78	* † Kankakee
Wagner, Earl William	Law (SS)	12	* † Urbana

Wagner, John	Bus		† Streator
Wagner, Richard Barnard	AC	36	* † Glen Ellyn
Wagner, Richard Edwin	MinE	63	* † Kankakee
Wagner, Richard Robert	IA		* † Chicago
Wagner, William Earl	LAS	16	* † Chicago
Wahlbring, Armin August	AC	91	* † St. Charles, Missouri
Wahlstrom, Robert Daggett	EE	35	* † Chicago
Wai, Hai Shoa	MinE (SS)	32	* † Ning Po, China
Wait, Doris Winifred	LAS		* † Champaign
Waite, Abbie Deane	HELAS		* † Urbana
Wakefield, Otho Bruce	IA	39	* † LaGrange
Walbert, George Henry	Accy	117	* † Chicago
Walden, Allan	Accy		* † Parkersburg
Waldman, Leonard Francis	PreM	36	* † DuBois
Waldron, Herschel Lee	SS	8	* † Hozie, Arkansas
Wales, Raymond Orla	Bus	40½	* † Downers Grove
Walke, Nelson Sumter	SS	7	* † Cincinnati, Ohio
Walker, Charles Bramwell	Bus	23	* † Chicago
Walker, Clinton Elza	EE	21½	* † Anna
Walker, Elizabeth Marion	HELAS		* † Harvard
Walker, Evelyn Elizabeth	LAS	32	* † LaGrange
Walker, George Albert	AC	47	* † Danville
Walker, Greydon Lyle	LAS	70	* † Mattoon
Walker, Hazel Irene	LAS	60	* † Champaign
Walker, Hubert Bernard	LAS	31	* † Champaign
Walker, John Rufus	Bus	70	* † Moline
Walker, Laura	SS	126½	* † Clinton
Walker, Lee Earl	Agr	99½	* † Anna
Walker, Lucile Valinda	HELAS	71	* † Urbana
Walker, Marietta R.	LAS	15	* † St. Louis, Missouri
Walker, Samuel Thomas	SS	22½	* † Watson
Walker, Sarah Frances	SS	134	* † Clinton
Walker, Ward Smith	Agr	119	* † Gays
Walker, William Albert	SS	22	* † Windsor
Walker, William Franklin	AC	49	* † Anderson, Indiana
Wall, Douglas Edmund	ME		* † Berwyn
Wall, James Robert	ChE	28	* † East St. Louis
Wall, Margaret Beatrice	LAS	16	* † Urbana
Wallace, Claradehl	HELAS	86½	* † Urbana
Wallace, Floyd Clark	IA		* † Winchester
Wallace, George Ira	Agr	108½	* † Beardstown
Wallace, Gerald Leroy	CL (SS)	68	* † Champaign
Wallace, Henry Smith	Ed	101½	* † Chicago
Wallace, James Proctor	EE	55	* † Urbana
Wallace, John Walter	EE		* † Lake Villa
Wallace, Leon Harry	PreL	30	* † Terre Haute, Indiana
Wallace, Malcolm Penrod	LAS	63	* † Ewing
Wallace, Marion Margaret	HELAS	38	* † Chicago
Wallace, Wendell Wayne	CE	107	* † Mooseheart
Wallace, William Hamilton	Bus		* † Marion
Wallace, William Whiteside	CE (SS)	26½	* † Chicago
Waller, William Jacob	SS	19	* † Thompsonville
Wallis, Elbert	SS		* † Thebes
Wallin, Marion Raymond	EE	126	* † Concord, Nebraska
Wallin, Victor William	Bus	6	* † Oak Park
Wallingford, Harold Irving	Arch		* † Kansas City, Missouri
Wallis, Mrs. Grace Hite	SS	105½	* † East St. Louis
Walsh, James Franklin	EE		* † Deland
Walter, Charles Keegan	Bus	69	* † Champaign
Walter, Mary Harte	Mus	15	* † Perry, Missouri
Walter, Mary Matilda	LAS unc		* † Chicago
Walters, Ernest Gardiner	ChE		* † Champaign
Walters, James Garland	Bank (SS)	118	* † Oblong
Walters, Lucy	LAS unc (SS)	34½	* † Urbana
Walters, Roscoe Frank	Bus		* † Oblong
Walton, Beulah Lucille	HEAgr	37½	* † Bowen
Walton, Daphne Ruth	Mus unc		* † Homer
Walton, James Burton	Agr		* † Bethany
Walzer, Sidney	Bus		* † Chicago
Wampler, Harry Collins	Ed	99½	* † Gosport, Indiana
Wang, Chien Z	REE	45	* † Shanghai, China
Wangelin, Hugo Philip	CL	68	* † Belleville
Wanner, William Kleitz	IA	37	* † Chicago
Wanzer, Elsie Louise	LAS	96	* † Chicago
Ward, Edna Louise	LAS	57	* † Champaign
Ward, Leslie Orlando	Accy (SS)	99	* † Champaign
Ward, Ted Johnston	Bus		* † Champaign
Ward, Virgil Howard	Agr		* † Bethany
Warder, Benton Arthur	EE		* † Chicago
Wargin, Lewis Joseph	IA	129½	* † LaSalle
Waring, Earl Russell	RCE	66	* † Portland, Oregon
Warner, Carolyn	LAS unc		* † Springfield, Massachusetts
Warner, Charles Herman	Agr	126½	* † Honolulu, Philippine Islands
Warner, Dorothy Maye	Mus	28	* † Henlon
Warner, Edgar John	ME		* † Urbana

Warner, Edna Louise	Jnl		* † Forrest Park
Warner, George Edward	Bus	49	* † Forrest Park
Warner, Gerald Sloan	CL		* † Peoria
Warner, Gladys Lillian	HELAS		* † Urbana
Warner, Robert Elmer	Accy	59½	* † Chicago
Warner, Wilmot Francis	Law		* † Warner
Warnes, Byron Anderson	Accy		* † Newman
Warren, Andrew Lawrence	Agr		* † Essez
Warren, Eleanor	LAS	33	* † Chicago
Warren, Gordon Geddis	ChE		* † Chicago
Warren, Howard Emerson	Bus		* † Champaign
Warren, Lyman Garrett	EE	73	* † Chicago
Warren, Marian	LAS	35	* † Chicago
Warren, Mary Louise	LAS		* † Watseka
Warren, Robert	Bus		* † Maywood
Warren, Winfred Field	SS	130¾	* † Paw Paw
Warsaw, Jessie	Bus	64	* † Chicago
Warwick, Ruth Anne	LAS	23	* † Champaign
Waschan, Royal Weldon	Bus		* † Chicago
Wascher, Edna Cornelia	HELAS (SS)	34	* † Champaign
Wascher, Herman	Agr	94¾	* † Champaign
Wascher, Marcella	LAS		* † Champaign
Wascher, Ralph Bicknell	Accy (SS)	87	* † Paxton
Washington, Camille	SS	93½	* † Lovejoy
Washington, Edward Laurence	AC unc		* † Chicago
Wasson, Proctor Lane	EE	63½	* † Urbana
Waterbury, Clarence Leslie	CE		* † Urbana
Waterfall, John Wesley	IA	97¾	* † Ft. Wayne, Indiana
Waterfall, Wallace	EPh	110¾	* † Ft. Wayne, Indiana
Waters, Henrietta	SS	16	* † Charleston
Waters, Mary Frances	LAS	36	* † Plainville
Watkins, Geraldine Joy	Ed (SS)	84	* † Warrensburg
Watkins, Harry	AC		* † Augusta, Kentucky
Watkins, Mitchell Sylvester	Bus (SS)	86½	* † Cairo
Watkins, Ralph	AC		* † Cairo
Watkins, Ross Wright	IA		* † Logansport, Indiana
Watne, Theodore Alfred	Agr	20¾	* † Earlville
Watson, Alva Clinton	Bus	67	* † Mattoon
Watson, Deneen Anthony	LAS	88	* † Elizabethtown
Watson, Frances Lee	LAS (SS)	88	* † Champaign
Watson, George Ferris	SS	129	* † Danville
Watson, Luetta Maud	HELAS	40	* † Champaign
Watson, Mary Helen	Mus	67	* † Urbana
Watson, Nora Esta	SS	7	* † Rantoul
Watson, Raymond Arnold	CE	62	* † Fithian
Watson, Rupert Warren	AE	69½	* † Cairo
Watson, Sidney Louise	LAS		* † Springfield
Watson, Thomas Bryars	SS	141½	* † Illinois City
Watt, Jean Mabel	LAS (SS)	8	* † Champaign
Watt, Richard Rockwell	Bus	30	* † LaGrange
Watt, Russell A. B.S., 1918	AE irr		* † Champaign
Wattleworth, Charles	CE	126	* † Champaign
Watts, Donald Gordon	Law		* † Champaign
Watts, Raymond Summers	RE		* † Chicago
Watts, Ronald Paul	LG		* † Chicago
Waugh, Charles Lincoln	LAS		* † St. Louis, Missouri
Waugh, George Wilfred	Bus	97	* † St. Louis, Missouri
Way, Kenneth William	Bus		* † Peking, China
Wayer, Joseph Mather	LAS	68	* † Goshen, Indiana
Wayne, Wendell Hoghton	LAS	69	* † Delavan
Wayo, Stephen John, Jr.	Chem	68	* † Whiting, Indiana
Wear, Nina Mae	SHHEEd	77	* † Clayton
Weary, Milton Brewer	LAS (SS)	10½	* † Chicago
Weaver, Arthur Franklin	Agr	49½	* † Metropolis
Weaver, Brayton Ladd	FOM (SS)	36½	* † Harvard
Weaver, Holla Edwin	EE (SS)	68½	* † LaCled
Weaver, May Gertrude	Ed	63	* † Cherry Creek, New York
Weaver, Mildred Vere	HELAS	1½	* † Rosemond
Weaver, Sheldon Alvord	PreL	28	* † Champaign
Weaver, Verna Mae	HEAgr		* † Metropolis
Webb, Doris Anna	LAS unc		* † Medina, New York
Webb, Frank Daniel	Agr	35	* † Sheffield
Webb, Haldeman Adair	Bus	111½	* † Chicago
Webb, Hamilton Murrell	SS		* † Baltimore, Maryland
Webb, Jennie	LAS	29	* † Sesser
Webb, Kathryn Parker	LAS	29	* † Toledo
Webb, Ralph Duvivier	ME	77½	* † Alton
Webb, Raymond Benjamin	Jnl		* † Chicago
Webb, Richard Lockwood	LAS	62	* † Farmer City
Webb, William Floyd	Accy	28	* † Champaign
Webber, Chester Clay	FC		* † Rantoul
Webber, Elizabeth Bernice	Mus	33	* † Urbana
Webber, Frances Marion	LAS	30	* † Urbana
Webber, Harry M., Jr.	Bus		* † Wilmette
Webber, Joseph Thompson	ME (SS)	16½	* † Urbana

Webber, Lewis Waller	AC	28½	*	Rantoul
Weber, Aaron	Flor unc (SS)	25	* †	Chicago
Weber, Clarence Jacobs	Chem	104	* †	Evansville
Weber, Edith	SS	7	*	Glenarm
Weber, Elizabeth	LAS	97	* †	Edwardsville
Weber, Elmer William	AC	100	* †	Evansville, Indiana
Weber, Ora Keith	Agr	30½	* †	Nokomis
Weber, Raymond James	Bus	39	* †	Chicago
Webster, Ernest Malcolm	Accy	28	* †	Oakland
Webster, Eunice Isabelle	LAS	26½	* †	Des Plaines
Webster, Florence Adelia	LAS	36½	* †	Des Plaines
Webster, Frank Mont	Bus	33	* †	Sheldon
Weed, Marion Inez	Jnl		* †	Chicago
Weedman, Frances	HEAgr	67	* †	Farmer City
Weedon, Amy Gertrude	LAS	76	* †	Wilmette
Weedon, Vivian Faye	LG		* †	Wilmette
Weege, Frank Charles	AC	31½	* †	Chicago
Weeter, Nellie Mae	HELAS	104	* †	Rimersburg, Pennsylvania
Wegforth, Anna Margaret	LAS		* †	Wilmette
Wegforth, John Frederick, Jr.	Agr	79	* †	Wilmette
Wegrzyn, Louis Stanley	PreM	38	* †	Elizabeth, New Jersey
Wegner, Keith Emanuel	Agr	71	* †	Washington
Wegner, L Eugene	Agr		* †	Washington
Weick, Herbert George	IA	66	* †	Berwyn
Weideman, LeRoy Carlton	Bus		* †	Chicago
Weidner, Morris Robert, Jr.	PreM		* †	Dolton
Weihl, Archibald Peter	PreL		* †	Waterloo
Weihl, Elmer Christian	PreL	36	* †	Waterloo
Weikal, Elmer Ketrner	AC	30	* †	Middletown, Ohio
Weiler, Joseph John	AE		* †	Vincennes, Indiana
Weiner, Sophie	Ed (SS)	85	* †	Chicago
Weinstein, Edward Robert	PreL	33½	* †	Chicago
Weinstein, Meyer Hymen	Accy		* †	Chicago
Weir, Edgar Wilkin	PreM	34	* †	Marshall
Weir, Esther	HEAgr	102	* †	Marshall
Weir, Ora Ethel	HELAS	23	* †	Marshall
Weis, Alice Lucile	LAS	95	* †	St. Louis, Missouri
Weis, LeRoy Richard	CL	41	* †	Chicago
Weisiger, George Bates, LL.B., 1911	SS		*	Catlin
Weiskopf, Carl Wilbur	Bus		* †	Arla
Welch, Charles William	AE (SS)	144	* †	Mattoon
Welch, David Mercer	Accy	3	* †	Earlville
Welch, Edith Lucile	LAS		* †	Chicago
Welch, Gordon Sears	Bus		* †	Chicago
Welch, Halcott Spencer	Bus		* †	Chicago
Welch, Jean Lillian	HEAgr	96	* †	Rock Island
Welch, Ralph William	SS	7½	*	London Mills
Welden, Goddina Louisa	LAS unc		*	Champaign
Welden, Margaret	LAS (SS)	102	* †	Champaign
Weldon, Clarence William	Agr	113½	* †	Rockford
Weldon, Frank Lewis	EE		* †	Chicago
Welge, Walter	LAS		* †	Evansston
Wellin, Harold	CE		* †	Chicago
Wellnitz, Bernhard Arthur	IA	4	* †	Moline
Wells, Bessie Merle	Ed	99½	* †	Fine Bluff, Arkansas
Wells, Edwin Silas, Jr.	ME	108	* †	River Forest
Wells, Ethel Maud	HEAgr		* †	Alexandria, Nebraska
Wells, Everett Franklin	LAS		* †	Aledo
Wells, George Eugene, Jr.	CE		* †	St. Louis, Missouri
Welsh, John Robert	CE	59	* †	Champaign
Welsh, William James	Law (SS)	28	* †	Chicago
Welsh, Willis Justin	AC		* †	Aberdeen, South Dakota
Welshimer, Philip Voris	Bus	26	* †	Neoga
Welter, Floyd Lee	Bus	65	* †	Elkhart, Indiana
Welton, Everett Leo	SS	32	*	Plainville
Welton, Ralph Eugene	EE	118	* †	Urbana
Wetty, Maurice Eberly	LAS		* †	Malta
Wendelken, Dorothy	Ed (SS)	97	* †	Urbana
Wendt, Henry John	Accy		* †	Effingham
Wendt, Willard John	Bus	34	* †	Evansville, Indiana
Wensel, Catherine Charlotte	Bus		* †	Joliet
Wenthe, Albert William	AE	58	* †	Effingham
Werden, Edna Sarah	HELAS		* †	Wauconda
Werden, Kirk Ambrose	CE		* †	Wauconda
Werner, Charles Dunlap	AC		* †	Des Plaines
Werner, Fred	Accy (SS)	86	* †	Murphysboro
Werner, Helen Margaret	Bus	48	* †	Farmington
Werno, Fred Charles	IA	34	* †	Chicago
Werno, Harold William	IA		* †	Chicago
Werth, Vanessa Marion	LAS		* †	Chicago Heights
Werts, Mary Margaret	HEAgr	32	* †	Urbana
Wertz, Harold Eugene	ME	5	* †	Denison, Texas
Wertz, Ralph Otis	ME	76½	* †	Denison, Texas
Wesemann, Adolph Henry, Jr.	Bus (SS)	62½	* †	La Grange
Wesner, Charles Arthur	PreL		* †	Robinson

Wessells, Allan	Bus		* † Glen Ellyn
Wessels, Anne Marie	HELAS (SS)	80	* German Valley
Wessels, Glenn Anthony	Bus		* Chicago
Wessman, Harold Everett Walfred	CE	80 $\frac{2}{3}$	* † Rockford
West, Ada Helen	SS	7 $\frac{1}{2}$	* Keokuk, Iowa
West, Ballard E	Bus unc (SS)	27	* † Sadorus
West, Ben	SS	18 $\frac{1}{2}$	* Augusta
West, Dorothy Irene	Mus (SS)	29	* † Champaign
West, Evelyn	LAS	62	* † Geneseo
West, Harold Dadford	PreM	30	* † Washington, D. C.
West, Lonsdale Nelson	Accy	35	* † Chicago
West, William Allen	SS	16	* Omaha
Westall, John Carey	Bus	66	* † Sumner
Westfall, James Harvey	SS	116 $\frac{1}{2}$	* Grayville
Westlund, Mrs. Fay Rumsey	LAS	95	* † East Aurora, New York
Weston, John William, A.B., 1921	SS	147	* Peoria
Weston, Ralph Holland	CerE	73	* † Herrin
Wetherhold, Louis Everette	EE		* † Princeton
Wethington, Arthur Crawford	Agr		* † Evanston
Wetzel, Randall Christopher	Bank	96	* † Chicago
Wexler, Arthur James	Bus unc	17 $\frac{1}{2}$	* † Chicago
Whaling, Gertrude Ruth	HEAgr		* † Monmouth
Whaling, Leslie Edgar	IA	64	* † Rockford
Wham, John Page	Law		* † Carbondale
Whang, Pao Kwai	Bank (SS)	79	* † Soochow, China
Wharfield, Harold B	SS	8 $\frac{1}{2}$	* † Marshfield, Wisconsin
Wheatley, Bernice Katheryn	SS	66 $\frac{2}{3}$	* Champaign
Wheatley, Charles Washington	ChE	110	* † Milwaukee, Wisconsin
Wheeler, Albert Julian	EE		* † Atchison, Kansas
Wheeler, Clarence Daniel	EE	55	* † Atchison, Kansas
Wheeler, Mrs. Commodore Perry	SS	2 $\frac{1}{4}$	* Urbana
Wheeler, Commodore Perry	SS		* Urbana
Wheeler, John Russell, Jr.	Bus	44 $\frac{1}{2}$	* † Tulsa, Oklahoma
Wheeler, Richard Lee	LAS	63	* † Tulsa, Oklahoma
Wheeler, Willard Louis	Bus	8	* † Chicago
Whelan, Dow Orland	EE	126	* † Springfield
Whiffen, Lawrence Charles	Bus	27	* † Milwaukee, Wisconsin
Whistler, Ruby Blanche	Ed unc	8	* † Morrison
Whitaker, Dorothy	HELAS	45	* † Urbana
Whitaker, Louise	SS	131 $\frac{1}{2}$	* Urbana
Whitaker, Margaret Marie	LAS (SS)	4	* † Urbana
Whitcomb, Louis Kossuth	SS	144 $\frac{1}{2}$	* Chicago
Whitcombe, Albert Bertrand, Jr.	Bus	109	* † Dixon
White, Adelaide Louise	LAS (SS)	39	* † Champaign
White, Catherine Nell	LAS (SS)	118	* † Urbana
White, Charles Milton	Bus	65	* † Chicago
White, Clara Lynette	SS	15 $\frac{1}{2}$	* Minooka
White, Clarence N	IA unc		* † Los Angeles, California
White, Eileen	LAS	66	* † Washburn
White, Herbert LeRoy	Chem	84	* † Little Rock, Arkansas
White, James Haulden	Agr (SS)	104 $\frac{1}{2}$	* † Gibson City
White, Margaret Elizabeth	LAS	30	* † Champaign
White, Marion Isabel	LAS	36	* † Streator
White, Mary Ellen	SS	8	* Washburn
White, Maurice Marsh	SS	7	* Blandinsville
White, Oliver Herman	Bank (SS)	40	* † Lovington
White, Robert Hamilton	LAS	16	* † Wilmette
White, Roy F	SS	8	* † Campbell Hill
White, Stuart Earle	LAS		* † Chicago
White, Theron Long	SS		* † Danielsville, Georgia
White, Virginia	LAS	57	* † Niles, Michigan
White, Walter Howard	EE	111 $\frac{2}{3}$	* † Joliet
White, Wayne Stevenson	LAS		* † Danville
Whitehead, Martha Elizabeth	LAS unc	26	* † New Harmony, Indiana
Whitehouse, Edith Ursula	SS	4 $\frac{1}{2}$	* Champaign
Whitehouse, William Nelson	PreM (SS)	40	* † Cherokee, Iowa
Whiteley, Fred Barney	Accy	61	* † Lombard
Whitenock, John Sanford	AB	36	* † Shoshone, Idaho
Whitesel, Harry Alfred	SS	113	* Charleston
Whiting, Charles Edward	Accy (SS)	109	* † Rockford
Whiting, Ralph Myron	Lib unc		* † Marlboro, Massachusetts
Whitman, Harold Christopher	Bus	25	* † Cameron
Whitman, Lowell Acton	Ed	94 $\frac{2}{3}$	* † Thomas, West Virginia
Whitmore, Philip Harvey	EE	36	* † Chicago
Whitnah, F Rna	Bus		* † Canton
Whitney, Dorothy	LAS	77 $\frac{2}{3}$	* † Chicago
Whitney, Everett Alexander	Bus	52	* † Oak Park
Whitney, William Percy	CerE	37	* † Springfield
Whitsitt, Leroy	Ed	93	* † Decatur
Whitson, Herman Ansell	SS	139 $\frac{1}{2}$	* Rushville
Whittaker, Joseph Christy, Jr.	LAS	33	* † Bridgeport
Whittaker, Lawrence Forrest	SS	7 $\frac{1}{2}$	* Lawrenceville
Whittenberg, John Eugene	ChE	92	* † Murphysboro
Whittenburg, Harry William	Agr	104	* † Kinmundy
Whittier, Herman James, Jr.	Bus	123 $\frac{1}{2}$	* † Kansas City, Missouri

Wickens, Arthur John	AE		* † Chicago
Wickersham, Madelaine Lloyd	Ed	99	* † Evanston
Wickert, Jacob Nelson	ChE	36	* † Danville
Wickhorst, Frank Henry	Bus		* † Aurora
Wickhorst, William Krieg	CE	81½	* † Aurora
Wiekman, Theodore	IA	30	* † Chicago
Widdis, Grace Marian	HEAgr		* † Kinmundy
Widener, John Charles	MinE (SS)	56½	* † Cumberland, Indiana
Wiegman, Carl Julius	Jnl	36	* † East St. Louis
Wieland, Esther Marie	LAS		* † Chicago
Wiemers, William Bernard	Bus	113	* † Douglas, Arizona
Wierman, Warren Pressley	AC	44	* † Atwood
Wiggins, Mildred Frances	Mus	59½	* † San Angelo, Texas
Wightman, Elwyn Fenlon	Bus	64	* † Grays Lake
Wightman, Joseph Sidney	Accy	105	* † St. Louis, Missouri
Wikoff, Ramon French	ME		* † Bound Brook, New Jersey
Wilbern, Velda Lorene	HELAS		* † Des Moines, Iowa
Wilcox, Arthur Burt	LAS	13	* † Decatur
Wilcox, Catherine Louise	HELAS	29	* † Champaign
Wilcox, Harold Childs	Chem	86	* † Sterling
Wilcox, Lucille Elizabeth	Ed (SS)	107	* † Champaign
Wilcoxon, Kenneth Don	PreM		* † Lewistown
Wildman, Louis Mandeville	Bus	69	* † Lincoln
Wiles, Dorothy Lindby	LAS	94	* † Chicago
Wiley, Carl Higgins	CE	58	* † Anna
Wiley, Frank Clarence	Bus	93	* † Earlville
Wiley, Frederick Mahlon	EE		* † Earlville
Wiley, George Harold	LAS		* † Ottawa
Wilhelm, Dorothy Brunnette	LAS	32	* † Indianapolis, Indiana
Wilhelm, Harry Herman	AC	103	* † Dayton, Ohio
Wilkins, Herbert Paul	ChE		* † Chicago
Wilkins, Cloanna	SS	2	* † Iuka
Wilkins, Margaret Rosalind	HELAS (SS)	102½	* † Springfield
Wilkinson, Bert Keith	Accy	101½	* † Elburn
Wilkinson, Dorothy Mae	Jnl		* † Chicago
Wilkinson, Edwin Arthur	PreM	69½	* † Chicago
Wilkinson, Julia Faith	LAS unc	11	* † Champaign
Wilkinson, Osborn Place	Bus		* † LaPorte, Indiana
Wilkinson, Porter Augustus	Bus	83½	* † Bethany
Will, Otto Henry	CE unc (SS)	36	* † Champaign
Willard, Alif Zara	LAS	98	* † Decatur
Willcox, Lawrence Austin	Agr		* † Wyoming
Willcoxon, Dorothy Clairee	LAS		* † Canton
Willey, Perry Homer	Ed (SS)	69	* † Magnolia
Willey, Russell DeWitt	Agr		* † Taylorville
Williams, Bessye Mortlyn	LAS	53	* † Chautauqua
Williams, Burton John	Bus	33	* † Davenport, Iowa
Williams, Clarence Ray	SS	115½	* † Clayton
Williams, Elise Elinor	LAS		* † Freeport
Williams, Emily	HELAS (SS)	111½	* † Champaign
Williams, Florence Jane	LAS (SS)	110	* † Champaign
Williams, Glenn Dewey	CcrE (SS)	37	* † Olin, Iowa
Williams, Hannah Esther	Ed	99½	* † Mattoon
Williams, Harold Gordon	Agr	79½	* † Rockford
Williams, Harold Love	Bus	44	* † Urbana
Williams, Harry John	Accy	60	* † Herrin
Williams, Helen	HELAS		* † Urbana
Williams, Helen Marguerite	Bus	100	* † Mattoon
Williams, Henry Walter	LAS	99½	* † Urbana
Williams, James Hackney	Agr	12	* † Chicago
Williams, John Francis	LAS	65	* † Waukegan
Williams, King	Jnl	28	* † Chicago Heights
Williams, Lena Louise	LAS		* † Mt. Vernon
Williams, Leroy Alexis Herbert	LAS	5	* † Elliott City, Maryland
Williams, Lewis Virgil	LAS	59	* † St. Louis, Missouri
Williams, Lois Albertine	SHHEEd	101	* † Fisher
Williams, Lucile Emily	LAS		* † Pontiac
Williams, Marguerite	HELAS	30	* † Danville
Williams, Maude	HELAS	75	* † Urbana
Williams, Myra Beal	HELAS	77	* † Rantoul
Williams, Oliver Lockwood	SS	134½	* † Lima, Ohio
Williams, Oral Bernice	HELAS		* † Springfield
Williams, Paul	Vsp (SS)		* † Paris
Williams, Richard Arlander	LAS		* † Mounds
Williams, Ruby	Bus	96	* † Shelby
Williams, Versa Eloise	LAS		* † Freeport
Williams, Walker Alonzo	Bus	3	* † Kansas City, Missouri
Williams, Wilburn Jewell	LAS	48	* † St. Louis, Missouri
Williamson, Bernice Emily	SS	130½	* † Alton
Williamson, Edmund Griffith	LAS	32	* † Rossville
Williamson, Frank Martin	MSE	95	* † Albion, Michigan
Williamson, Joseph Lindley	Bus	96	* † Jacksonville
Williamson, Raymond Barton	ME		* † Milford
Williamson, Raymond Ellsworth	Accy	32	* † Griggsville
Williamson, Vernon Gregory	LAS		* † Champaign

Williford, John LeRoy	CerE		* † Mt. Carmel
Willis, Charles Leyton	EE		* † Little Rock, Arkansas
Willis, Eunice Florence	LAS		* † Elmhurst
Willis, Georgia Charlene	LAS (SS)	100	* † Carlisle, Indiana
Willis, Russell Vernon	Bus unc (SS)	36 $\frac{3}{4}$	* † Sesser
Willison, Clarence Orlando	Bank	31 $\frac{1}{2}$	* † Elk City, Oklahoma
Willman, Harold Bowen	Jnl		* † Hartford City, Indiana
Wills, Charles Raymond	CCS		* † Bluffs
Wills, E Vernon	LAS (SS)	31	* † St. Louis, Missouri
Wills, Glenn Philander	ME		* † Carlinville
Wills, Mary Marguerite	LAS	71	* † Griggsville
Willson, Nellie D	HELAS	57 $\frac{3}{4}$	* † Clinton
Wilmore, Earle Charles	Bus	6 $\frac{1}{2}$	* † La Grange
Wilmore, Stanley Carlton	Bus	25	* † La Grange
Wilson, Alexander Lewis	CE		* † Worcester, Massachusetts
Wilson, Clifford	PreM		* † Salina, Kansas
Wilson, David Dill	Agr	102	* † Eagle Rock, California
Wilson, Dwight Lyman	AC		* † Roachdale, Indiana
Wilson, Edna Clara	Jnl	33	* † Woodstock
Wilson, Eleanor Fay	LAS		* † Chicago
Wilson, Frances Douglass	LAS	99	* † Urbana
Wilson, Frank Merrill	SS	6	* † New Concord, Ohio
Wilson, Fred W	Bus		* † Chicago
Wilson, Frederick Samuel	CE	31	* † Olney
Wilson, George LaRue	Agr		* † Etna
Wilson, Gertrude Emily	LAS	25	* † Dalton City
Wilson, Harold Clifford	Agr	69	* † Homewood
Wilson, Harold Edwin	ChE	96	* † Geneseo
Wilson, Henry Gross	PreL		* † Atwood
Wilson, Imogen Fillmore	LAS	97	* † Chicago
Wilson, John Hays	LG	96	* † New Castle, Pennsylvania
Wilson, John Marcy	Bus	63	* † Fairfield, Iowa
Wilson, John Riley	EE		* † Winfield, Missouri
Wilson, Keith Reber	EE	37	* † Champaign
Wilson, Kenneth Day	Bus (SS)	71	* † Clinton
Wilson, Lewis Bender	SS	155 $\frac{3}{4}$	* † Rock Island
Wilson, Lewis	PreL		* † Indianapolis, Indiana
Wilson, Martha Almellia	Agr	67 $\frac{1}{4}$	* † Indianapolis, Indiana
Wilson, Maude Frances	LAS	63	* † St. Louis, Missouri
Wilson, Naomi Esther	Mus		* † Urbana
Wilson, Nellie Janice	SS	8	* † Wheatland, Missouri
Wilson, Ona Vern	LAS (SS)	101	* † Dalton City
Wilson, Paul Rutledge	ME	55 $\frac{1}{2}$	* † Hinsdale
Wilson, Ralph Delbert	AE (SS)	44	* † Sidney
Wilson, Raymond Milton	EE	111	* † Newton
Wilson, Robert Travis	PreM		* † Michigan City, Indiana
Wilson, Stanley Raymond	SS	133 $\frac{1}{4}$	* † Chicago
Wilson, Thomas Harry	Agr	63	* † Woodstock
Wilson, Viktor Ottman	Bus		* † Montevideo, Minnesota
Wilson, Walter Chamberlin	Law	6	* † Aurora
Wilson, Warden Forsyth	Eng	35	* † Chicago
Wilson, William Charles	AC		* † Union City, Indiana
Wilton, Mildred Maurine	Ed	64	* † Ogden, Utah
Wiman, Louis Henry	Bus		* † LaMoille
Wimmer, Gladys Fern	LAS	69	* † East St. Louis
Winakor, Arthur Harry	CL		* † Springfield
Winans, Grace	Agr (SS)	37	* † Olney
Winans, Ruth	LAS (SS)	86	* † Olney
Windle, John Taylor	LAS	29 $\frac{1}{2}$	* † West Lafayette, Indiana
Windsor, Margaret	LAS (SS)	78	* † Urbana
Wing, Herbert John	PreM	29	* † Maywood
Wink, Nathaniel Edwin	FC	106	* † Houston, Texas
Winkelman, Emma Elsie	HEAgr	64	* † Keokuk, Iowa
Winkler, Clinton Edward	Bank	35	* † Lockport
Winkler, Joseph Fred	CE	71	* † Chicago
Winn, Lawrence Lyle	Law (SS)	85 $\frac{1}{2}$	* † Richmond
Winsauer, Leslie Robert	Arch		* † Des Plaines
Winslow, Nathaniel Robbins	ChE	27	* † Oak Park
Winston, James Byers	LAS	21 $\frac{3}{4}$	* † Sturgis, Kentucky
Winter, Carrie LaRoe	LAS	53	* † Olney
Winterhalter, George John	Accy	69	* † Lily Lake
Winters, Della Almada	Ed	95	* † Augusta
Winters, Ernest Bruce	Bus	36	* † Champaign
Winters, Florence Margaret	LAS		* † Champaign
Winters, Robert Wayne	Agr	96 $\frac{1}{2}$	* † Walnut
Winton, Thomas Walter	PreL		* † Chicago
Wirth, Ralph Jacob	AE	127 $\frac{1}{4}$	* † Wilton Junction, Iowa
Wirth, Sidney Raymond	Bus	86 $\frac{1}{2}$	* † Oak Park
Wirthlin, Melida Lee	LAS	71	* † Webster Groves, Missouri
Wise, James Carl	ME		* † Sadorus
Wise, Lucien	Agr	57	* † Tama, Iowa
Wisc, Willard Jacob	Bus		* † LaPorte, Indiana
Wisegarver, Cleo Fern	HELAS (SS)	65	* † Champaign
Wiseman, Edward Taylor	Agr		* † Longview
Wiseman, Ruth	SS	73	* † Longview

Wiseman, Vivian	LAS	62	* † Longview
Wissen, Vernet Theodore	Bus	64	* † Rockford
Wissmath, Evelyn Wilhelmina	HEAgr	102½	* † St. Louis, Missouri
Wist, Joseph Elmer	Flor (SS)	27½	* † Decorah, Iowa
Wisthuff, Edith Elizabeth	HELAS	69	* † Sibley
Wisthuff, Myrtle Matilda	LAS	27	* † Sibley
Wisthuff, Oscar Henry	AC		* † Chatsworth
With, Thoralf Edwin	ME	73	* † Joliet
Witt, Frank Jacob	EE	105	* † Sidney
Witt, Ralph Denton	EE		* † Sidney
Witte, Paul Frederick	ME	125½	* † Louisville, Kentucky
Wittick, Eugene Charles	IA	82	* † Moline
Wittick, Herbert Edward	Ins	66	* † Peoria
Wittman, Adeline Leta	LAS	30	* † Metropolis
Witwer, Martha Nell	HELAS	67	* † Danville
Witwer, Mohler Studebaker	LAS		* † South Bend, Indiana
Witwert, Henry Wilber	IA (SS)	67	* † Joliet
Wiweke, Marc Pierson	ChE		* † Oak Park
Wixted, John Francis	PreM unc		* † Southbridge, Massachusetts
Woelfersheim, William Arthur	Bus	70	* † Chicago
Woeltje, Franklin Worley	EE	34½	* † St. Louis, Missouri
Wohl, Milton Jerome	LAS		* † Chicago
Wohlfarth, William Webster	LAS		* † Champaign
Wolcott, Gary Venning	AC		* † Battle Creek, Iowa
Wold, Leaman Archer, A.B., 1922	SS	145½	* † Rockford
Woleben, Stanley Allen	LAS		* † Marengo
Wolf, Carl Walter	REE	98½	* † Chicago
Wolf, Charlie Jacob	EE		* † Polo
Wolf, Erik William	CE	71	* † Frankfort, Indiana
Wolf, Frances Gertrude	HELAS		* † Aurora
Wolf, Mrs. Mabel Sawyer	SS		* † Wood River
Wolfe, Grayce Catherine	LAS	46	* † Chicago
Wolfe, Jacob Emerson	ChE		* † Champaign
Wolfenberger, Charles Marion	Chem	55	* † Chicago
Wolff, Bernice Serena	HELAS	96	* † Urbana
Wolff, Charles Henry	ChE		* † Peru
Wolff, George Stuart	SS		* † Volcartier, Canada
Wolfram, Harold George	CerE	112	* † Des Plaines
Wolfson, Abe	ChE		* † Oak Park
Wolinsky, Leo	CE	35	* † Chicago
Woll, Albert Joseph	PreL		* † Chicago
Wong, Kan Taz	Bus (SS)	81	* † Canton, China
Wong, On Fuk	SS	41½	* † Hong Kong, China
Wood, Clara Kessler	LAS		* † Cairo
Wood, Clifford Gilbert	EE	5	* † Oak Park
Wood, Mrs. Ella	LAS unc		* † Champaign
Wood, Eugene William	CL	58½	* † Chicago
Wood, Gerald Stone	Jnl	27	* † Corry, Pennsylvania
Wood, Hazel Myrth	SS	180	* † Mt. Vernon
Wood, Isabel Frances	LAS	67	* † Girard
Wood, Lee Maurice	Agr		* † Bismark
Wood, William Arthur	LAS		* † Chicago
Wood, William Marcellus	Agr		* † Taylorville
Woodford, Kenneth Stanley	LAS	30	* † Sebastopol, California
Woodford, Lester Melvin	PreM	32	* † Sebastopol, California
Woodley, Ruth Olga	Bus	2	* † Marion
Woodruff, Arthur Eugene	Bus	40½	* † Champaign
Woods, Alice	LAS unc	20	* † Chicago
Woods, Florence	LAS		* † Urbana
Woods, Homer Allen, Jr.	Bus	33½	* † Indianapolis, Indiana
Woods, Orlo Wayne	ChE (SS)	80½	* † Bloomington
Woods, Richard Northall	CE	69½	* † Rockford
Woods, Sara Lucilla, A.B., B.L.S., 1920,			
1922	Mus irr		* † Princeton, Indiana
Woodson, Paul Edgar	Agr	27	* † East St. Louis
Woodward, Charlotte Anne	LAS	33	* † Oak Park
Woodward, Donald William	EE (SS)	32	* † Chicago
Woodward, Harold Christopher	LAS	64	* † Ottawa
Woodward, Marion Hannah	LAS	63	* † Oak Park
Woodward, Stewart Gray	IEd	64	* † Chicago
Woodward, William Van Benschoten	EE	35	* † Evanston
Woolbert, Robert Gale	LAS	65	* † Urbana
Woolery, Alice Josephine	Accy		* † Champaign
Woolford, Joseph Sidney	SS	80	* † Champaign
Woolley, Wayne Ransom	EE	30	* † Carlinville
Wosley, Grace Ellen	Ed (SS)	112	* † Pinckneyville
Workman, Zera Florence	SS	5	* † Stonington
Wormley, Eugene	Agr		* † Kinmundy
Worth, John Clifford	AC		* † Chicago
Worth, Laura Lolita	HELAS		* † Virden
Worthen, Mary Theye	Arch		* † Waterloo, Iowa
Worthington, Leslie Berry	Bus	101	* † Witt
Wright, Annette	HEAgr		* † Springfield
Wright, Charles Thomas	MSE	33½	* † Menominee, Michigan
Wright, Edward Alburn	LAS	30	* † Danville

Wright, Edward Philbrick	<i>CerE</i>		* † Urbana
Wright, Frances McDonald	<i>LAS</i>		* † Glencoe
Wright, George Harold	<i>PreM</i>		* † Greenfield
Wright, Harold Abbott	<i>Bus</i>	70	* † Oak Park
Wright, Harry Smith	<i>Agr unc</i>	24	* † Mahomet
Wright, Homer Franklin	<i>Accy</i>	66	* † Parkis
Wright, James Hodges	<i>Bus</i>		* † Chicago
Wright, Karl Theodore	<i>Agr</i>	70	* † Moveagua
Wright, Kenneth Edwin	<i>Agr</i>	53	* † Waukegan
Wright, Kenton Robert	<i>ME</i>	70	* † Urbana
Wright, Laurence Sedgwick	<i>Bus</i>	55	* † Oak Park
Wright, Mildred Belle	<i>LAS</i>	22	* † Champaign
Wrigly, Dorothy Helene	<i>LAS</i>		* † Wyoming
Wrisley, Lawrence Norton	<i>Bus</i>	91	* † Chicago
Wu, Chao Fu	<i>Bus</i>		* † Honan, China
Wu, Te Yuan	<i>FC (SS)</i>	76	* † Peking, China
Wulfekoetter, Gertrude, B.A., 1917	<i>Lib</i>	56	* † Cincinnati, Ohio
Wulliman, Raymond Clemenz	<i>LAS (SS)</i>	126½	* † Berne, Indiana
Wupper, Arthur	<i>Arch</i>		* † Davenport, Iowa
Wurst, Henry Ebert	<i>Accy</i>	111½	* † Quincy
Wurst, Katherine	<i>LAS</i>	68	* † Quincy
Wyatt, Morton Harry	<i>Agr</i>		* † Carter
Wyke, William John	<i>AC</i>		* † Edgewood, Pennsylvania
Wylie, Charles, A.B., A.M., Ph.D., 1908, 1912, 1922	<i>SS</i>		* † Champaign
Wynd, Clarence Leon Alexander	<i>ChE</i>	116¾	* † Peoria
Wyninger, Evangeline Day	<i>HELAS (SS)</i>	47	* † Urbana
Wyrick, Austin Basil	<i>REE</i>	35	* † Chicago
Yackel, Walter Carl	<i>Bus (SS)</i>	73½	* † Allon
Yackey, George Fredric	<i>ME</i>	109	* † St. Louis, Missouri
Yackey, Harold Hilgard	<i>ME</i>	109	* † St. Louis, Missouri
Yackle, Stella May	<i>SS</i>	42	* † Nokomis
Yang, Shoun Davied	<i>CerE</i>		* † Washington, Dist. of Columbia
Yao, David Sunshing	<i>RME (SS)</i>	113	* † Kiangshu, China
Yarborough, Charles Hill	<i>SS</i>	8½	* † Louisburg, North Carolina
Yarline, Frank William	<i>EE</i>		* † Forest Park
Yarnall, Thomas Coffin	<i>Bus</i>		* † Chicago
Yarrow, Paul Warren	<i>Bus</i>	28	* † Chicago
Yates, John Edward	<i>Law (SS)</i>	16½	* † Taylorville
Yates, Robert William	<i>Bus</i>		* † Oak Park
Yates, Stella Day	<i>SS</i>	31	* † Kinderhook
Yates, William Wellington	<i>PreL</i>		* † South Bend, Indiana
Yearsley, Mary	<i>LAS</i>	70	* † Urbana
Yeats, Mrs. Myrtle Daisy Madden	<i>LAS</i>		* † Champaign
Yingling, Ross Burl	<i>Bus</i>		* † Berryton, Kansas
Yockey, Glen	<i>AE</i>		* † Taylorville
Yonker, Mortimer Alexander	<i>ChE</i>		* † River Forest
York, Mrs. Cleta Price	<i>LAS (SS)</i>	62½	* † Shattuc
Young, Arthur Raymond	<i>SS</i>	8	* † Wichita, Kansas
Young, Asa Dougal	<i>PreM</i>		* † Mansfield
Young, Carl Walter	<i>LAS</i>	42	* † Marissa
Young, Charles Thomas	<i>Agr</i>	22	* † Pekin
Young, Cyril Charles	<i>Eng</i>	64	* † Kansas City, Missouri
Young, Daisy Belle	<i>SS</i>	72½	* † Allon
Young, Edward Frank	<i>Agr unc</i>	8½	* † Urbana
Young, Eleanor Frances	<i>LAS</i>		* † Chicago
Young, Everett Lewis	<i>Agr</i>	101	* † Chillicothe
Young, Frances Mable	<i>LAS</i>		* † Hennepin
Young, Frank Edward	<i>SS</i>	5	* † Carmi
Young, George Clair	<i>EE (SS)</i>	24	* † Carterville
Young, Gilman Boardner	<i>AE</i>	75	* † Toulon
Young, Gordon Mark	<i>Agr unc</i>	73½	* † Centralia
Young, Helen Margaret	<i>HELAS</i>	28	* † Glen Ellyn
Young, Jackson Smallwood	<i>LAS</i>		* † Urbana
Young, James Russell	<i>LAS</i>	27	* † Springfield
Young, John Alvin	<i>SS</i>	7½	* † Huntington, Utah
Young, Louis Clide	<i>PreM</i>		* † Chicago
Young, Marjorie Pearl	<i>SS</i>	73	* † Lawrenceville
Young, Mildred Eugenia	<i>LAS</i>	51	* † Knoxville
Young, Oscar Willard	<i>SS</i>	9¾	* † Culter, Indiana
Young, Ralph Hayward	<i>SS</i>	10¾	* † Crown Point, Indiana
Young, Virginia S	<i>LAS</i>		* † Aurora
Young, William Clyde	<i>Agr</i>	73	* † Geneseo
Young, Winifred May	<i>LAS</i>		* † Oak Park
Youngblood, Robert Augustus	<i>Bus</i>	57	* † Aurora
Younge, George Herbig	<i>PreM</i>	70	* † Peoria
Younger, Lewis Irving	<i>PreM</i>	31½	* † Chicago
Youngquist, Philip Oliver	<i>CE</i>	55¾	* † Batavia
Yuan, Tsung Tok	<i>ME (SS)</i>	58	* † Canton, China
Yuenger, Arthur Theodore	<i>IA</i>	33	* † Chicago
Zabel, Joseph Martin	<i>Bus</i>		* † Rockford
Zaccaria, August Louis	<i>PreM</i>		* † Cherry
Zacher, Allan Norman	<i>Bus</i>		* † Peru
Zacher, Arthur Henry	<i>Bus</i>	25½	* † Chicago
Zadek, James George	<i>ME</i>	37½	* † Chicago

Zahnow, Mrs. Mattie Frances	SS	11	Mason
Zahnow, Walter J	SS	14½	East St. Louis
Zalewski, Casimir Stanley	Bus	* †	Chicago
Zander, Edward Henry	Agr	60	* † Chicago
Zeiger, Dallas Henry	Bus	30	* † Secor
Zeilman, Charles Kantz	AC	121	* † Nassau, New York
Zeki, Ali Ayet	EE	66	* † Urbana
Zeltmann, Margaretha Caroline	Ed	94	* † Alton
Zick, Helen Elizabeth	LAS (SS)	47¾	* † Polo
Ziedman, Abraham	LAS		* † Chicago
Ziegler, Mary Annette	Mus		* † East St. Louis
Ziegler, Mildred Elizabeth	HELAS	33	* † Aurora
Zillman, Theodore William	LAS	7	* † Chicago
Zimmer, John Warner	Accy	16	* † Champaign
Zimmerly, Leonard Christ	AC		* † Hope, Arkansas
Zimmerman, Albert Jobst	Bank	69½	* † Peoria
Zimmerman, Frank Charles	SHAEEd	111	* † Bunker Hill
Zimmerman, George Waldo	LAS	54	* † Peoria
Zimmerman, Mrs. Julia Barrett	Agr unc	53	* † Urbana
Zimmerman, Julius	PreM		* † Chicago
Zimmerman, Nelson John Grove	Law	61	* † Effingham
Zimmerman, Pauline	SHHEEd	77	* † Anderson, Indiana
Zimmerman, Roy	IA		* † Oak Park
Zimmerman, Russell Lawton	LAS (SS)	62	* † Bunker Hill
Zingrebe, Ray	PreL		* † Dwight
Zink, Frank Joseph	Accy (SS)	76	* † Indianapolis, Indiana
Zink, Hal Humphrey	EE	107	* † Kansas
Zink, Ruth	Mus	33	* † Elmwood
Zipprich, Raymond William	PreM	32	* † Chicago
Zitzewitz, Arthur Frank	ME		* † Chicago
Zitzewitz, Herbert Carl	ME		* † Chicago
Zivny, Joseph Charles	ME	31	* † Chicago
Zoerb, John George	Flor	29	* † LaCrosse, Wisconsin
Zoller, Bernard Baun	Chem (SS)	34	* † Palmyra, Missouri
Zombro, Mrs. Ethel Leidendecker	SS		* † Champaign
Zorn, Lucille Marie	LAS	116	* † Mt. Pleasant, Iowa
Zung, Yeh Fu	SS	7	* † Shanghai, China
Zuydhoeck, Ernest	LAS		* † Brair Cliff Manor, New York
Zwermann, Eva Margaret	Chem	68	* † Robinson
Zwick, Anna	LAS	36	* † Chicago

COLLEGE OF MEDICINE

Name	Year ¹	Residence
Abelson, Sol	1	Chicago
Abrahams, Sam, B.S.	6	Oblong
Abramson, William Frederick	3	Chicago
Adler, Julius, B.S.	4	Chicago
Albach, Maurice, B.S.	4	Chicago
Albrecht, Paulus Gerhard, Ph.D., B.S.	4	Chicago
Alcivar, Ernest, B.S.	4	New York, New York
Alford, Frank Lambert	2	Cropsey
Amberson, Henry Rex, A.B.	4	Santa Ana, California
Amesbury, Harry Arlo	1	Chicago
Amtman, Lee	1	Chicago
Anderson, Bertha Marie G., B.S.	6	Denver, Colorado
Apple, Carl, B.S.	4	Chicago
Aries, Philip L., B.S.	6	Chicago
Armitage, Ralph Boyce, B.S.	3	Lawrenceville
Armstrong, Ray Conway	2	Mound City
Athanas, Grant Vahan	2	Chicago
Bailey, Bayard Melvin, B.S.	6	Chicago
Baker, Eugene Lester, B.S.	4	Chicago
Bancroft, Burton Richard	1	Mt. Carroll
Banton, Huston	1	Mt. Zion
Barber, Albert Carlos, Jr.	1	Toledo, Ohio
Barber, Cecil	1	Rochester, New York
Bard, Reuben	2	Chicago
Bass, Howard	2	Chicago
Batko, Jack S	2	Chicago
Baumgartner, George John, B.S.	4	Forest Park
Beabout, Jesse Franklin	1	Casey
Beguesse, Hubert Hugh	1	Trinidad, British West Indies
Bell, Joseph Sloan	2	Chicago
Belnap, Hyrum Earl, B.S.	4	Ogden, Utah
Belting, John Theodore	1	Charleston

¹Numbers indicate first, second, third, and fourth year of the medical course; G indicates partial registration for graduate work in medical science.

Belyea, Reginald Joy	2	Botinneau, North Dakota
Bengtson, Bengt Norman	2	Chicago
Bennett, Edmund Francis	3	Chicago
Benzie, Clinton	1	Norway, Michigan
Berardi, James Bernard, Ph.G.	1	Chicago
Berman, Simeon Leo, B.S.	6	Chicago
Bernstein, Theodore	1	Chicago
Besta, Charles John	2	Chicago
Biggestone, Harry Clinton, A.B., B.S.	3	Chicago
Block, Coleman Alex, B.S.	6	Des Moines, Iowa
Bloom, Arthur Reuben, B.S.	6	Chicago
Blount, Walter Putnam	2	Oak Park
Blye, Franklin Wetmore	2	Chicago
†Boelio, Louis N	2 (G)	Chicago
Bohner, Carlyle Bernard	1	Chicago
Bohrod, Milton	1	Chicago
Bollman, Jesse Louis, A.B., M.S.	4	Springfield
Bolotin, Max T, B.S.	3	Chicago
Bond, Robert Emerson	2	Harco
Boner, Albert Jay, B.S.	6	Chicago
Bonness, Walter Eric	1	Chicago
Brandenburg, Kenneth Charles	2	Chicago
Bratrude, Amos Presily, B.S.	4	St. James, Minnesota
Brewer, Lewis Rawlings	2	Chicago
Bridgegroom, Hugh Ginther	1	Leiters Ford, Indiana
Briney, Walter Frederick	2	Chicago
Brodboll, Nora Florence	2	Chicago
†Brough, Glen Amos, B.S.	3 (G)	Bushnell
Brown, Hyman Nathanson	3	Chicago
Brown, Raymond Calvin	1	Eldorado
Browne, William Harcourt, B.S.	5	Chicago
Brunkow, Charles Daniel	2	Dubuque, Iowa
Buhrman, William Lane, B.S.	6	Nashville
Bullock, Norman Charles	1	Rockford
Burns, George Creswell, B.S.	3	Salt Lake City, Utah
Burns, Melton Burdett	1	Salt Lake City, Utah
Burst, William, B.S.	6	Chicago
Byers, William Mitchell, B.S.	4	Spokane, Washington
Cameron, Stuart	2	Chicago
Canan, Mack Clelland	1	Batchtown
Caron, Robert Paul, B.S.	4	Kankakee
Carr, Claire	1	Carbondale
Carrell, William Dayton	2	Greenup
Cassidy, Harold Bernard	1	Chicago
Cherne, Charles	1	Chicago
Chestnut, Nelson Hole	1	Mason City
Cirlin, Marcus B	6	New York, New York
Cochrane, Claude Malcolm, A.B., B.S.	4	Chicago
Collins, Harold James	1	LaMoille
Collins, Loren Leslie, B.S.	3	Chicago
Colyer, Raymond G., B.S.	3	Carbondale
Connelly, Marie Louise, A.B.	2	Pueblo, Colorado
Conrad, Clyde Kenneth	3	Urbana
Copper, Arthur Reuben, A.B., A.M., Ph.D.	3	Chicago
Cox, Ethelbert Fitz-Randolph	1	Chicago
Crabtree, Joe P	2	Cairo
Crawford, Neal Dow, B.S.	6	Luverne, Minnesota
Crean, Chester	1	Mattoon
Cronwell, Bernhard Johannes, Jr.	1	Hanover
Crow, Robert Neil, B.S.	3 (G)	Carrollton
Davidson, Magni, B.A.	3	Gardar, North Dakota
Davis, Irvin, B.S.	3	Belleville
Davison, Claude Lorraine	2	Peoria
De Freitas, Clement, B.S.	4	Guiana, South America
Deitchman, Morris Michael	2	Chicago
De Lano, Percy Joseph	1	Kewanee
Dessent, Robert, B.S.	4	Chicago
Deuss, Hugo Otto	3	Chicago
Dewey, Jay Reed, B.S.	5	Menville, Iowa
Di Cosola, Ralph	1	Chicago
Doolen, Glenn Wesley, B.S.	5	Bondville
Dorman, Marion Furman	2	Peoria
Douglas, Robert James	2	Chicago
Drues, Isadore Abraham, B.S.	6	Chicago
Eddin, Louis, B.S.	6	Chicago
Edington, Lloyd C	2	Chicago
Edwards, Eugene Albert, B.S.	4	South Whitely, Indiana
Edwards, Howard Milton, B.S.	4	Lee
Edwards, Robert William	2	Waukegan
Elfeld, Persis, B.S.	6	Arlington Heights
Eliazo, Esteban	3	Manila, Philippine Islands
Elliott, William Gibson	3	Escanaba, Michigan
Elowitz, Hyman	2	Los Angeles, California
Emmerling, Carl J	2	Pekin
Engelhard, Herbert Harter	2	Chicago
Epstein, Casper Morris	2	Chicago

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Epstein, David, B.S.	4	Chicago
Eshman, Louis, B.S.	3	Chicago
Easlinger, Paul Henry	1	Rushville
Etherton, Fred Snider	3	Carbondale
Ets, Harold Norris	G	Chicago
Ettleson, Abraham	3	Chicago
Eubanks, John Edward, Jr., B.S.	2	Chicago
Ewert, Earl Ernest	1	Chicago
Eye, Charles Harold, B.S.	3	Wyoming, Iowa
Fahlstrom, Stanley Charles William	2	Moline
Fairchild, John Edward	2	Maywood
Faxon, Donald Eugene, B.S.	6	Sandwich
Faxon, Ruby Marie Donaly	6	Carterville
Feldman, Louis, B.S.	4	Chicago
Fellows, Manley Fording	1	Belvidere
Figuerola, Liborio	4	Humaco, Porto Rico
Fillingham, Enid	2	Vincennes, Indiana
Fischer, Jacob	3	Chicago
Flack, Clarence Elbert	2	Chicago
Fleischner, Julius, B.S.	6	Chicago
Flynn, John Francis, B.S.	3	Chicago
Flynn, Robert Williams, B.S.	3	Chicago
Fox, Chester Philip, B.S.	3	Chicago
Frenzel, Walter Charles, B.S.	4	Wausau, Wisconsin
Furness, Carl Nathaniel	2	Sullivan
Gasser, John Jacob, B.S.	3	Chicago
Gellenthein, Carl Herman	2	Chicago
Gevirtz, Milton B	3	Whiting, Indiana
Gilbert, Ivan	3	Oakland
Glasoff, George Samuel	3	Chicago
Glickman, Leo Grant	3	Chicago
Giryotas, Stanley Joseph	1	Cicero
Goebel, Russell Walter	3	Streator
Goff, Charles Weer, B.S.	4	Davenport, Iowa
Goldberg, Bernard, B.S.	4	Chicago
Goldberg, Joseph, B.S.	6	Chicago
Goldberg, Samuel Silas	1	Chicago
Golub, Hyman William	1	Chicago
Goodwin, Marcus, B.S.	4	Chicago
Greengard, Joseph, B.S.	4	Chicago
Groos, Harold Quinten, B.S.	4	Escanaba, Michigan
Groot, James Tobias, B.S.	4	Chicago
†Groves, Robert Leroy, B.S.	3 (G)	Berkeley, California
Guttman, Maurice, B.S.	3	Chicago
Hadden, Shirley Louis, B.S.	4	Chicago
Hahn, James Pendleton, B.S.	4	Greenville, South Carolina
Hall, Andy, Jr.	1	Mt. Vernon
Hall, Earl Hopkins, B.S.	4	Oconto, Wisconsin
Halperin, Isadore	1	Chicago
Halpern, Louis Joseph, B.S.	3	Chicago
Hantover, Matthew James	1	Chicago
Harper, LeRoy	2	Seattle, Washington
Harris, Richard August, B.S.	4	Quincy
Harris, Sigil Clance	4	Wilmot, South Dakota
Hatzis, Peter Nicholas	1	Chicago
Hawkins, Herman Wientzel	2	Henry
Hedberg, Carl	1	Newberry, Michigan
Hedges, Lafayette Abbott	2	Galena, Kansas
Heinekamp, Walter J R, B. S., M.S.	6	Chicago
Hill, Lewis Roland, B.S., M.S.	2	Carthage
Hoffman, Samuel Julius	1	Chicago
Horsky, Brooke	3	Helena, Montana
Hoskins, James Howard, B.S.	4	Rolla, North Dakota
Hruby, Frank Edward	2	Chicago
Hubbard, Roger Wolcott	1	Kankakee
Hughes, Clarence Orville, B.S.	6	White Heath
Hughes, Thomas Patricia	(G)	Chicago
Humiston, Homer Wheeler	2	Chicago
Iglowitz, Max	1	Chicago
Imbiorski, Stanley J, B.S.	4	Chicago
Inman, Richard Frank, Jr.	2	Chicago
Isenhardt, Lawrence Francis	1	Mt. Carroll
Jackson, Thomas, B.S.	1	Chicago
James, Walter Franklin	1	Champaign
Janicki, Stanley Florin, B.S.	4	Chicago
Jerkowsky, Morris Solomon	3	Chicago
Johnson, Harvey Chester, B.S.	4	Superior, Wisconsin
Johnson, Howard Reynold, B.S.	3	Bishop Hill
†Johnson, John Robert, B.S.	3 (G)	Decatur
Johnson, Reinhold Enoch	2	Chicago
Johnson, Russell, B.A.	3	Clinton, Iowa
Jones, Earnest Eugene	2	Chicago
Jongewaard, Jeanette	4	Orange City, Iowa
Josewski, Raymond Julian	6	Maxbass, North Dakota
Jurgens, Johanna John	1	Savanna

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Kaminsky, Hyman	2	Chicago
†Kaplan, Samuel, B.S.	3 (G)	Chicago
Karbelnig, Morris, B.S.	4	Chicago
Karlin, Isaac, B.S.	4	Chicago
Katzman, George Manuel	2	Chicago
Kearns, Jerry Joseph	1	Chicago
Kellogg, Douglas S	3	Des Moines, Iowa
Kelly, Edward Joseph	4	Chicago
Kelso, Raymond William	1	Chicago
Kenny, William Lloyd	3	Pontiac
Kilgore, Benjamin Franklin, B.S.	3	Des Moines, Iowa
Killinger, Donald William	1	Joliet
King, Mrs. Paz G	3	Rogers Park
Kionka, Paul Frederick	1	Melrose Park
Klein, Jacob, B.S.	4	Chicago
Kleinman, Bernard Samuel	2	Chicago
Kobak, Alfred, B.S.	4	Chicago
Koehler, Elmer George	1	Chicago
Kopple, Abraham Louis	1	Chicago
Krembs, Ferdinand Richard, B.S.	4	Stevens Point, Wisconsin
Kroeger, Clarence Roland	1	Tucson, Arizona
Kronenberg, Milton, B.S.	3	Chicago
Kuner, Samuel	2	New York, New York
Lans, Nathaniel Benjamin, B.S.	4	Chicago
Lansche, Elmer Arnold, B.S.	4	Brighton
Law, Philip Montgomery	1	Chippewa Falls, Wisconsin
Lazar, Nathan K	1	Chicago
Ledford, Roy Merl	2	Harrisburg, Indiana
Lee, Seymour Rowland	1	Howard, South Dakota
Leitch, Neil McLean	3	Toulon
Lendgren, Carl Victor, B.S.	1	Chicago
Lenit, Harold Walter	4	Chicago
Lenth, Vincent James Thomas	3	Evanston
Lenzen, Aloysius Francis, A.B., B.S.	3	Peru
Lester, Rollin Harold	1	Kewanee
Levin, Benjamin Mordecai, B.S.	4	Chicago
Levin, Maurice	1	Chicago
Levin, Samuel Arthur	1	Chicago
Levy, Benjamin	2	Chicago
Levy, Jacob	1	New York, New York
Lifshin, Jacob Aaron	2	Chicago
Lifvendahl, Richard Axel, B.S.	3	Chicago
Litton, Louis, B.S.	4	Chicago
Livingston, George Shaynin, B.S., M.S.	6	Chicago
Lorance, Luther Mohler	2	Robinson
Lorfeld, Gerhard William	4	Sheboygan, Wisconsin
Lowe, John William, B.S.	4	Whitehall, Wisconsin
Lucas, Frank Blackburn, B.S.	4	Chicago
MacCornaek, Donald Maxwell	2	Whitehall, Wisconsin
McDaniel, Lee Roy	1	Martinsville
McDaniel, Paul Howard	1	Martinsville
McGrath, Floyd Lawrence, B.S.	4	Savanna
McIntire, Emery J	4	Kansas City, Missouri
McIntyre, Elbridge Albert	1	Mendota
McMillan, John Charles	2	New Berlin
McNally, Andrew, B.S.	3	Chicago
Magill, Clark Russell William, B.S.	4	Sullivan
Maher, Chauncey Carter, B.S.	4	Payson
Maizus, Saul Hyman, B.S.	6	Chicago
Malnekoff, Ben Jack	4	Milwaukee, Wisconsin
Mandel, Robert Meyer, B.S.	6	Chicago
Mann, William Alfred, B.S.	4	Wilmette
Mar, Severo Francisco, B.S.	3	Tampico, Mexico
Marcusson, William Beringer, Jr.	3	Chicago
Margolis, Jesse	3	Uniontown, Pennsylvania
Marsh, Howard LaRue, B.S., M.S.	2	Oil City, Pennsylvania
Marshall, Alexander George	1	Chicago
Maryan, Harry Oliver, B.S.	6	Chicago
Maslow, Leo	2	Chicago
Masterton, Edward Lincoln	6	Chicago
Mathre, Albert Ilmer, B.S.	3	Chicago
Meals, Robert Woodruff, B.S.	3	Chicago
Mercer, Alonzo Maceo	2	Peoria
Merchant, Henry Alpheus	3	Chicago
Meyer, Raymond John	3	Lexington, Kentucky
Meyer, William P	1	Chicago
Meyerson, Solomon	2	Chicago
Miller, Clayton O	2	Wyoming
Mills, Morton Joseph, B.S.	4	Chicago
Mishkin, Herman Louis	2	Chicago
Moen, Cornetta Grothaus	4	Chicago
Moeur, John Kelly, B.S.	6	Tempe, Arizona
Mohr, Truman Jacob	2	Van Wert, Ohio
Monroe, Paul Burns, B.S.	6	Bisbee, Arizona
Montezon, Apolonio Fermin	4	Tacloban, Philippine Islands
Moon, John Frank, B.S.	3	Chicago

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Mora, Jacob Morton, B.S.	3	Chicago
Moxon, George William	2	Stevens Point, Wisconsin
Mulcahy, John P., B.S.	3	Chicago
Mulfinger, Carl Leonard, B.A., B.S.	5	Chicago
Mullen, Timothy F., Jr.	1	Chicago
Murray, Ralph Walter	1	Stockton
Myers, William Henry, B.S.	5	Coal Valley
Nasatir, Azor Victor, B.S.	4	Los Angeles, California
Neiberg, Carlton Maurice	3	Pittsburgh, Pennsylvania
Nelson, Samuel Bennett	1	Chicago
Newman, Melvin Max, B.S.	4	Chicago
Nielson, Celia Evelyn Owens	4	Chicago
Nielson, Johannes, B.S.	4	Chicago
Novak, Julius B.	2	Chicago
Nowlin, Owen Wendell Emen, B.S.	3	Farmer City
Nowlin, Wilfred Jonathan	1	Farmer City
O'Hara, Clarence M., B.S.	3 (G)	Madison, Wisconsin
Olson, Carl Lester Elmer	2	Pacific Junction, Iowa
Pavlin, Otto Bohemil	2	Chicago
Pawlish, Otto Victor	2	North Freedom, Wisconsin
Peluse, Samuel	1	Chicago
Perman, Louis W.	3	New York, New York
Pfeifer, Oliver Conrad	2	Mascoutah
Picard, Arthur Paul, B.S.	3	Chicago
Pieczynski, John Leo	2	Chicago
Pierce, Harrison Morton, B.A.	4	Madison, Wisconsin
Piit, Gaudencio E., B.S.	4	Cagayan, Misamis, Philippine Islands
Pilka, Herman, B.S.	5	Chicago
Pintzow, Michael Zelman	1	Chicago
Polk, Mannie Arnold, B.S.	5	Chicago
Pontius, Guy Arnold, B.S.	5	Chicago
Ponzer, Emma, A.B., B.S.	3	Rochester, Indiana
Porter, Elza Carl	1	Henry
Potts, Albert Leroy, B.S.	5	Portsmouth, Ohio
Poulson, Charles T., B.S.	5	Honey Bend
Prescott, Manfred Ullman, B.S.	5	Armour, South Dakota
Prilla, Evsay, B.S.	5	Oak Park
Pumphrey, Loira Cromwell	1	Chicago
Ralston, John Francis, B.S.	3	Carthage
Rappaport, Ben Zion, B.S.	5	Rock Island
Reeves, Dwight Coleman, B.S.	4	Chicago
Reinhard, Otto Andrew, B.S.	5	Monticello
Resnik, Tobias, B.S.	5	Cullom
Reuther, Theodore Ferdinand, B.S.	4	Chicago
Richter, Oscar	2	Effingham
Rissinger, Arthur Joe	4	Chicago
Roan, Charles	1	Mason City
Roberts, Dewey Minnis, B.S.	3	Chicago
Robertson, Elizabeth Jane	1	Lakewood
†Robertson, Robert Crawford, B.A., B.S.	3 (G)	Chicago
Robertson, Thomas Sanderson, B.S.	3	Coulterville
Robinson, Leon Edward	1	Chicago
Rogers, Jesse P.	3	Rock Island
Rooney, Eugene John	1	Pittsburgh, Pennsylvania
Rosenberg, Maurice Joseph, B.S.	5	Chicago
Rosenbloom, Harold H.	2	Chicago
Rosenblum, Abraham Irving	1	Chicago
Rosenblum, Albert Frank	1	Chicago
Rosenblum, David	3	Los Angeles, Calif.
Ross, Hector Morrison	2	Chicago
Rubenstein, Joseph, B.S.	3	Chicago
Rubin, Henry Harry, B.S.	5	Chicago
Rudnick, Dorrin Fred, B.S.	5	Chicago
Russell, Thelma Leota	1	Chicago
Rush, Paul White, B.S.	5	Detroit
Rutledge, James Hirst, B.S.	2	Farmer City
Ryan, Lawrence Donat	5	Kewanee
Ryder, Bruce Ivan	1	Bradford
†Saelhof, Clarence Charles	7	Chicago
Salkin, Sidney	1	Chicago
Saltiel, Thomas Paine, B.S.	4	Chicago
Santos, Juan Cuiugan, B.A.	2	San Fernando, Pampanga, Philippine Islands
Sarven, James David, B.A.	1	St. Petersburg, Florida
Schafer, Robert, B.S.	3	Chicago
Schechter, William, B.S.	4	Chicago
Schinberg, David	3	Chicago
Schirmer, Elizabeth	3	Chicago
Schori, John Wheeler	1	Elmwood
Schultz, Louis William, D.D.S.	2	Chicago
Scott, Thomas Craig	3	Lexington
Sculley, Jesse Casstevens	2	Brookings, South Dakota
Seid, Reuben	1	Chicago
Seinfeld, Samuel Gero	1	Chicago
Selden, Bryant	1	Durand

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Sender, Frank Robert	1	Chicago
Shalla, Leon Stanley	2	Chicago
Shapiro, Irving Joseph, B.S.	5	Chicago
Shapiro, Sherman Lawrence, B.S.	3	Chicago
Shelton, George Cleveland, B.S.	5	Taylor, Arkansas
Shifrin, Max	2	Chicago
Shore, Samuel	2	Chicago
Shurtz, Richard Charles	1	Chicago
Shurtz, William Gooding	2	Hawarden, Sask.
Sigalowa, Dwoira Gersheva	2	Chicago
Sinai, Leah, B.S.	5	Chicago
Singer, Harry	3	Chicago
Skarperud, Arthur, B.A.	4	Mayville, North Dakota
Smejkal, Frank John, B.S.	3	Chicago
Smith, Annie Thompson, A.B., A.M.	5	Durham, North Carolina
Smith, Beulah Marie, B.S.	4	Chicago
†Smith, Charles Raimor, B.S.	3 (G)	Georgetown
Smith, John Frederick	3	Montpelier, Ohio
Smith, Wilbur Childress	2	Lawrenceville
Snively, Ralph B.	3	Sterling
Sodaro, Joseph Clarence, B.S.	4	Aurora
Solomon, Alfred P. A.B.	3	Chicago Heights
Stamler, Allan Erwin	2	Chicago
Steckbauer, Clifford Earle	2	Chicago
Steinert, Lars Eric Theodore	2	Chicago Heights
Steinman, Floyd Hough	2	Roberts
Stentzel, James Walter	1	Greenville, Ohio
Stephens, Harry Hart	2	Chicago
Stoll, Charles Gilbert	1	Lawrenceville
Stoops, Richard Boothby, B.S.	4	Ipavia
Streicher, Michael Henry, B.S.	3	Chicago
Strongin, Seymour	1	Chicago
Sugar, Sol Ascher	2	Chicago
Sugars, Roy Thomas	2	Chippewa Falls, Wis.
Sukumlyn, Stephen Williams	2	Kief, N. D.
Sutch, Vincent J. B.S.	3	Chicago
Switzer, Lars Waldorf	1	Ludington, Mich.
Talbot, Harry George, B.S.	3	Milton, Wisconsin
Taylor, Eugene Emmerson	1	LeRoy
Tenczar, John Francis	1	Chicago
Thomas, Joseph Hancock, B.S.	3	New Douglas
Thornton, Maurice John, B.S.	4	South Bend, Indiana
†Thurston, Alvin Stewart, B.S.	3 (G)	Maywood
Tippet, Walter Pierson, B.A.	4	Appleton, Wisconsin
Toepfer, Raymond August, B.S.	3	Oregon, Wisconsin
Tolpin, Samuel, B.S.	5	Chicago
Traisman, Alfred Stanley, B.S.	5	Chicago
Tranter, Paul W.	4	Armour, South Dakota
Turner, Edward Claude	1	Savanna
Tygett, Glenn Joseph, B.S.	4	Jonesboro
Uthoff, Carl Joseph	3	Oak Park
Vener, Hyman	3	Los Angeles, California
Ventress, Ward Huston, B.S.	5	Monmouth
Vincent, Helen Ruth	2	Chicago
Vogel, Samuel Alexander, B.S.	4	Superior, Wisconsin
Waggoner, Charles Van	1	De Witt, Iowa
Wead, John Trimmer, B.S.	4	Wyoming
Wehringer, Henry George, B.S.	4	Chicago
Weiner, Samuel	3	Chicago
Welensky, David Arthur, B.S.	5	Chicago
Wessels, Marie, B.S.	4	Quincy
Wilke, Carl August	4	Blue Island
Williamson, Wayne Shepherd	2	Hillsboro
Winston, Woody Maurice, A.B.	2	Chicago
Witters, Joseph E.	2	Grand Rapids, Michigan
Wong, David Marndell	2	Chicago
Wood, Cordelle Atherton, B.S.	4	Amboy
Wood, Wilbur Stuart, B.S.	3	Decatur
Yahya, Mohammed Abbass, B.S.	4	Aramon, Syria
Yancovsky, Samuel	4	Chicago
Yockey, John Clarence, B.S.	3	Monticello
Young, Edmund Valient, B.S.	3	Aurora
Zeitlin, Nathan, B.S.	5	Chicago

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COLLEGE OF DENTISTRY

Name	Year	Residence
Addes, Michael William	2	Chicago
Anderson, Melvin Edward	4	Lynn Center
Andree, Henry Francis	1	Chicago
Asher, Sidney	3	Chicago
Baewsky, Morris	4	Chicago
Barnes, George Francis	3	Whitehall, Montana
Barton, William Henry	4	Litchfield
Baxter, Robert Knighton	3	Chicago
Benbow, Frank William	1	Chicago
Bezostny, Frank	3	Chicago
Bird, Park Boyden	4	Springville, Utah
Birkhaug, Trygve Johan	3	Chicago
Black, Russell Forrest	4	Beardstown
Blackhurst, Katherine	Unc	Evanston
Bone, George Dewey	4	Chicago
Brunson, Carl Littlefield	3	Fort Wayne, Indiana
Buchmiller, LeRoy John	4	Richmond, Utah
Butler, James Arthur	4	Chicago
Byrne, Webster Edward	3	Harrisburg
Call, Charles Clarence	4	Springfield
Capenegro, Sebastian	4	Chicago
Cavanaugh, Dan Patrick	1	Rock Island
Cleveland, Charles Pearson	3	Bushnell
Clinite, Harold Ellis	4	Rochelle
Clothier, Ernest Jacob	3	Rockford
Crawshaw, Earl Harwood	3	Chicago
Creek, Loverne Wallace	1	Villa Grove
Crismyre, Vernon Carroll	2	Chicago
Davis, Thomas Edward	3	Benton
De Larco, Joseph Edward	3	Chicago
Downs, William Benham	1	Batavia
Draper, William Alexander	2	Clinton
Drell, Benjamin	2	Chicago
Doolen, Deane Elmo	2	Champaign
Drenning, Eugene James	2	Joliet
Droher, Philip	4	Chicago
Drummond, Harold Arthur	3	Chicago
Eisenbrand, George Frederick	4	Hubbard Woods
Elder, Thomas Croswell	1	Watseka
Englejohn, Elmer Herman	3	Bloomington
Epstein, Judith Simonova	3	Kenosha, Wisconsin
Ewell, Willis Gene	2	Chicago
Frampton, Franklin	4	Pleasant Grove, Utah
Gans, Louis, B.S.	2	Tallegada, Florida
Gilbert, Arthur Abbott	2	Pana
Gold, Abe Elmer	4	Chicago
Goldman, Bernhard	4	Chicago
Goldman, Max	4	Chicago
Goldstein, Abraham	3	Chicago
Gould, Seymour Noah	3	Chicago
Grissom, Leo Leslie	1	Decatur
Grover, Norman Herbert	3	Logansport, Indiana
Grubman, Hyman Arnold	1	Chicago
Hallgren, Edward Rudolph	2	Chicago
Harris, Michael Nathan	4	Peoria
Harvey, Ralph Frame, B.S.	3	Chicago
Hedges, Leroy Ellis	3	Chicago
Heller, Max	3	Brooklyn, New York
Hevesh, Joseph, M.A.	4	Chicago
Holt, Leonard Clarence	4	Chicago
Hoyt, Lloyd Dallas	4	De Smet, South Dakota
Humble, Thomas William	2	Chicago
Iglowitz, Jacob	4	Chicago
Jager, Elizabeth (Miss)	4	Chicago
Jennings, Percy Howard	3	Chicago
Jentzsch, Richard Alvin	1	Chicago
Johnson, Andrew John	2	Ishpeming, Michigan
Johnson, John Wallace	2	Faulton, South Dakota
Jones, George Orville	2	Chicago
Jones, Thomas Hampson	3	Watertlet, New York
Jung, William Cyrus	3	Chicago
Keller, Vernon Seth	3	Brigham City, Utah
Kesel, Robert George	1	Aurora
Kingston, Neil Anthony	3	Hornell, New York
Kirsten, Philip John	1	Chicago
Kolar, George Franklin	2	La Grange
Kopriva, Edward Louis	3	Chicago
Kuhlman, Ernest William	3	Peoria
Ladwig, Walter Carl	1	Ann Arbor, Michigan
Langenbahn, Philip Herman	4	South Bend, Indiana

Lazarski, Casimir Paul	3	Chicago
Lerner, Samuel Harry	3	Chicago
Levin, Maurice	3	Chicago
Levine, Maurice Harold	3	Chicago
Levy, Saul	1	Scranton, Pennsylvania
Linane, Francis John	3	Chicago
Liscom, Jason Leslie	4	Beardstown
Little, Elmer Phelps	1	Champaign
Luck, Charles Carlton	1	Chicago
Lynn, Norman Herbert	4	San Diego, California
Maki, Jeremias	4	Chicago
Malecek, Joseph Frank, Jr.	3	Chicago
Marshall, Benjamin	4	Chicago
Martin, Bruce	4	Chicago
Merryman, George Thomas	2	Marshalltown, Iowa
Metcalf, Leonard Lawrence	4	Streator
Moresky, Ben	3	New Castle, Pennsylvania
Munns, Charles Arthur	4	Brigham, Utah
Musser, Cecil F	Unc	Lincoln
Naselli, Emilio George	1	Chicago
Neber, Lawrence	1	Carbondale
Neilson, Lorrin Russell, B.S.	4	Monmouth
Novak, Joseph Charles	3	Chicago
Olech, Eli	4	Chicago
Olzewski, William Daniel	1	Chicago
Palmbaum, Julius	3	Chicago
Paris, Paul James	3	Murray City, Utah
Plants, James Forrest	3	Faulton, South Dakota
Plater, Wade Richard	3	Vienna
Post, Raymond William	4	Estherville, Iowa
Raab, William Edward	4	Chicago
Rehm, Henry	4	Chicago
Ritter, Lyman	3	Mt. Carmel
Robbins, Edward George	3	Redfield, South Dakota
Robeson, Foster Garnett	3	Minot, North Dakota
Rojas, Hasdrubal Ibarra	1	Chicago
Rost, Theodore A., B.S., M.D.	3	Chicago
Sack, Joseph Alexander	3	Chicago
Saffir, Jacob Abraham	4	Chicago
Salk, Charles Maurice	3	Chicago
Saxon, Harry	3	Chicago
Schectman, Maurice	3	Chicago
Schmitt, Gustave Rudolph	1	Nashville
Schneiderman, Maxim	3	Chicago
Schour, Isaac, B.S.	3	Chicago
Schuler, Raymond Charles	4	Chicago
Schwarz, Theodore Gottfried	1	Chicago
Scott, Frank Earl	4	Mullen, Idaho
Seritella, William James	3	Chicago
Shaykin, Jacob	3	Chicago
Shore, Ginda (Miss) D.D.S.	4	Sudilkow, Russia
Siemer, Frederick William	3	Carrollton
Simms, William Amos	1	Chicago
Singer, Maurice	1	Chicago
Singleton, Roscoe Elwood	3	Springfield
Skudnig, Roman Thaddeus	4	Chicago
Skupa, Arthur James	4	Chicago
Smith, Robert	3	Chicago
Smollar, Samuel	3	Chicago
Speckhard, Eric George	3	Bay City, Michigan
Sroka, John Julius	4	Chicago
Stewart, Owen Mets	3	Mesa, Arizona
Stoker, Clyde Thomas	2	Salt Lake City, Utah
Swedberg, Paul	4	Marshalltown, Iowa
Szwajhart, Eugene Walter	4	Chicago
Thompson, Kay Lee, Jr.	1	Chicago
Totten, Oliver Capitaine	1	Chicago
Tourek, George	3	Chicago
Tylski, Walter William	3	Chicago
Wach, Edward Charles, Ph.G.	4	Chicago
Walsh, Michael Hugh	3	Gary, Indiana
Wendelsdorf, Chester Willis	3	Chicago
Wilcox, Paul	3	Columbia City, Indiana
Wilneff, Max	3	Chicago
Wilson, Marshall Osborn	2	Jacksonville, Florida
Wishneff, Ralph Richard	3	Chicago
Wygodsky, Borko	Unc	Minsk, Russia
Yonover, Nathan	3	Chicago
Yoshiwa, Michitaka, D.D.S.	4	Kurume, Japan
Young, Frank George, Jr.	4	Chicago
Zak, Edwin James	3	Chicago
Zeigler, William James, A.B.	3	Chicago
Zielinski, Joseph Bronislaw	4	Chicago
Zoellner, Gilbert Otto	3	Waupun, Wisconsin

SCHOOL OF PHARMACY

Name	Year	Residence
Adams, Thomas Raymond	P 1	Wilmette
Alderman, Abe Meyer	P 1	Chicago
Alexander, William Wayland	P 2	Carlinville
Alpern, William Hyman	P 2	Bay City, Michigan
Alphran, Richard Burt	P 2	St. Louis, Missouri
Anderson, Carl Bertal	P 1	Chicago
Anderson, Carl Eli	P 2	Chicago
Armstrong, Garrett Holden	P 1	El Paso
Arnold, Henry Cicero	P 1	Chicago
AuBuchon, Harry Fielding	P 1	Chicago
Babler, Clarence	P 1	Monticello, Wisconsin
Baewsky, Leo	P 1	Chicago
Balais, Daniel Pavino	P 1	Lucban, Philippine Islands
Bamberg, John Jacob	P 2	Chicago
Barryte, William Bannister	P 1	Chicago
Basta, Jeanetta Frances	P 1	Chicago
Bauml, Josephine Lorraine	P 1	Chicago
Becker, Bernard	P 2	Chicago
Beller, Jacob	P 1	Chicago
Berlin, Leo	P 1	Chicago
Berman, Charles	P 1	Chicago
Berman, Jacob	P 2	Chicago
Berry, Lucian Scott	P 1	Ashley
Besta, Theodore James	P 1	Chicago
Bexfield, Henry Nelson	P 2	Maywood
Bilski, Ladislaus Aloysius	P 1	Cicero
Blann, Ralph Guy	P 1	Vincennes, Indiana
Bloch, Abraham Moses	P 1	Chicago
Brethauer, Homer John	P 2	Nashville
Brody, Samuel Adams	P 1	Chicago
Brown, Harvey Eugene	P 1	Aurora
Bruckwicki, Ladislaw	P 1	Chicago
Bryant, William Cullen	P 2	Gibson City
Burger, Francis Louis	P 2	Elgin
Burns, Milton Edward	P 1	Elgin
Burns, Ocie Romey	P 2	Chicago
Butler, Geraldine Paola (Mrs.)	P 2	Chicago
Checklin, David Paul	P 1	Peoria
Choisser, Joseph Milton	P 2	Eldorado
Cohen, Abraham Edwin	P 2	Chicago
Cohen, Jo Joseph	P 1	Chicago
Cohl, Henry Alvin	P 1	Chicago
Combacker, Marie Frances	P 2	Chicago Heights
Cooperman, Harry	P 1	Chicago
Crawford, Thomas George	P 1	Oak Park
Cremerius, David Walter	P 2	Chicago
Crooks, John French	P 1	Rensselaer, Indiana
Cushna, August Anthony	P 1	Chicago
Dalsey, David	P 2	Chicago
Dalsey, Sidney	P 2	Chicago
Davis, Jackson Calhoun	P 2	Chicago
DeGrazio, Joseph Anthony	P 1	Chicago
DeLany, Martin Rush	P 1	Chicago
DeWasme, Paul	P 2	Roanoke
DiCosola, Henry Edward	P 1	Chicago
Dieterichs, Clarence Edgar	P 1	Chicago
Dillow, Forrest	P 2	Anna
Dixon, Charles William	P 1	Harrisburg
Dombrowski, Harry Edward	P 2	Chicago
Doubok, Rudolph John	P 1	Chicago
DuCles, Lawson Murdock	P 1	Evanston
Eastabrooks, John James	P 2	Hinckley
Eaton, Olyn Edward	P 2	DuQuain
Edelman, Samuel	P 1	Chicago
Edelstein, Paul DeBuck	P 2	Chicago
Eisenbart, Martin Herbert	P 1	Streator
Elliott, Walter Alexander	P 1	Chicago
Engerman, Maurice	P 1	Chicago
Evins, Robert Warren	P 1	Chicago
Factor, John Emmett	P 1	Mt. Sterling
Fagen, Meyer	P 1	Chicago
Falick, Israel	P 1	Chicago
Feagler, Ralph Lawton	P 2	Auburn, Indiana
Fernitz, Gustave John	P 1	Chicago
Finkelstein, Jack Lester	P 1	Chicago
Flaschen, Hyman Herman	P 1	Chicago
Fleming, Rex	P 2	West Lebanon, Indiana
Fogelson, Bernard Charles	P 1	Chicago
Fox, Clarence Edward	P 1	Chicago
Friedman, Jacob Israel	P 2	Chicago
Fulenwider, Gilbert Leroy	P 1	Jonesboro
Gaenslen, Julia Adelheit	P 2	Green River, Wyoming
Gassel, Sam	P 2	Chicago

Gertz, Julius Gyle	P	1	Chicago
Gilmore, Roscoe William	P	2	Mattoon
Glickman, Michael	P	2	Chicago
Goldberg, David Sidney	P	1	Chicago
Goldberg, Isadore	P	1	Chicago
Goldberg, Jack Donald	P	1	Chicago
Goldenson, Harold Milton	P	1	Chicago
Goldsmith, Bernard Gustave	P	1	Chicago
Goldstein, David	P	2	Chicago
Goldstein, Hilda	P	2	Chicago
Gordon, Jack	P	1	Chicago
Gordon, Leonard	P	1	Chicago
Gorski, Stanislaus John	P	2	Chicago
Goslin, Leslie Harry	P	1	Streator
Graham, Robert Hale	P	2	Chicago
Grandison, Charles	P	2	Missouri
Greenfarb, Hyman	P	1	Chicago
Gregg, Paul Jennings	P	2	Carbondale
Grinker, Sidney	P	1	Chicago
Grube, Donald Ellsworth	P	1	Villa Grove
Gwizdalski Casimir Bronsislas	P	1	Chicago
Haerberle, Harold H	P	1	Broken Bow, Nebraska
Heffner, John Henry	P	2	Bloomington
Hahn, Wilbur George	P	2	Springfield
Hammer, Viola Rose	P	1	Glencoe
Handelman, Nathan	P	2	Chicago
Harris, Bernard Franklin	P	2	Chicago
Harris, Garford Richard	P	1	Cartersville
Harris, Herbert Nathan	P	1	Chicago
Hennessy, James Joseph	P	1	Elmhurst
Henry, Bernard Jack	P	1	Chicago
Herman, Mandel	P	1	Chicago
Hill, Donald Miller	P	2	Chicago
Hilton, Neil Norton	P	2	Chicago
Hodosh, Louis Irving	P	1	Chicago
Hook, Cecil Herbert	P	1	Grayslake
Horwitz, Ruben	P	1	Chicago
Humble, Gunnard Arvid	P	1	Chicago
Hurt, Lumir Joseph	P	1	Cicero
Hymovitch, Harry Hyman	P	1	Chicago
Hynes, Barbara Ellen	P	1	Chicago
Indovina, Anthony Vincent	P	2	Chicago
Irving, Albert Gregg	P	1	Chicago
Isaacson, Harold	P	1	Chicago
Jabusch, Arthur Elmer	P	2	Chicago
Jachino, John Anthony	P	2	Coal City
Jakubec, Charles Andrew	P	2	Chicago
Jindra, James Victor	P	2	Chicago
Jobusch, Lorenzo Bevans	P	2	Aledo
Johnston, William Greer	P	2	Chicago
Juhnke, Rollins Edger	P	2	Waseca, Minnesota
Kallison, Morris Bud	P	1	Chicago
Kaplan, Maurice Leon	P	1	Chicago
Katznelson, Jack	P	1	Chicago
Kearney, Howard Thaeddeus	P	1	Edwardsville
Keren, Meyer	P	2	Chicago
Kessler, Oscar Bernard	P	1	Chicago
Kessler, Wilkin Coulter	P	1	Robinson
Kharasch, David	P	1	Chicago
Kieradlo, Elizabeth Marie	P	1	Chicago
Kimbro, Arvil Summerill	P	1	Anna
King, William Clifford	P	2	Chicago
Kinney, Frank John	P	2	Buda
Kirschenbaum, Isadore	P	1	Chicago
Kirschenbaum, Eli	P	1	Chicago
Klawans, Paul Harold	P	2	Chicago
Klein, Sidney	P	1	Chicago
Klink, Irving Peter	P	2	Chicago
Klocke, Edwin Pius	P	2	Rock Falls
Kocour, Leslie James	P	1	Chicago
Kodera, James Charles	P	2	Chicago
Kohout, Frank James	P	1	Chicago
Kopp, Louis Henry	P	1	Athens
Kost, Joe Wallace	P	1	Astoria
Kravetz, Edward	P	1	Chicago
Kulwinsky, Abe Mandel	P	1	Chicago
Kulwinsky, Helen	P	1	Chicago
Kuznetsky, Cecilia Estelle	P	1	Chicago
Lachov, Hyman Boris	P	1	Chicago
Lacy, Isom Lawrence	P	2	Chicago
Lauber, Clover Donat	P	2	Oak Park
Lenz, Charles Gustave	P	2	Chicago
Levin, Harry Enoch	P	2	Chicago
Levy, Samuel	P	1	Chicago
Lieberman, Morris	P	1	Chicago
Lizer, Harold Phenoy	P	1	Mt. Morris

Lewis, Sam	P	1	Chicago
McCabe, Raymond	P	1	Chicago
McDermott, Charles Byron	P	1	Morris
McGuckin, Joseph Frank	P	2	Akron, Ohio
McIntyre, Melvin Trout	P	1	Bloomington
McMahon, Vernon Thomas	P	2	Waukegan
Maller, Benjamin	P	2	Chicago
Markel, Raymond Paul	P	2	Aurora
Martin, John Hobert	P	2	Chicago
Menaker, Max M	P	2	Chicago
Meyer, Esther	P	1	Chicago
Meyer, Grant	P	2	Chicago
Mila, Conrad Stanley	P	1	Chicago
Miller, George Campbell	P	2	Marion
Miller, Howard Deloss	P	1	Chicago
Miller, Leslie Robert	P	2	Chicago
Mintz, Edward	P	1	Chicago
Mirsky, Solomon Bernard	P	1	Chicago
Moore, Raymond Allan	P	1	Steger
Morello, Forrest LaVerne	P	1	Abingdon
Morse, Orville Dale	P	1	Galva
Mraz, Charles Ferdinand	P	2	Cicero
Muelleman, Joseph John	P	1	Chicago
Mulkern, John Joseph	P	1	Chicago
Nagel, Robert Christian	P	1	Highland
Nasca, Joseph	P	1	Chicago
Nelson, Donald Winkler	P	2	Dwight
Newlander, Jacob	P	1	Chicago
Newman, Barney	P	1	Chicago
Noble, Charles Kenneth	P	2	Rushville
Noskin, Samuel	P	1	Chicago
Noumann, Walter Herman Louis	P	1	Chicago
Novotny, George William	P	1	Chicago
Oakley, Cecil Fritche	P	1	Mattoon
Obartuch, Henry William	P	1	Chicago
Ocenasek, Joseph Charles	P	1	Chicago
Ohnstein, Edgar Marton	P	1	Chicago
Oliva, David	P	2	Chicago
Oppfelt, Glenn Alfred	P	2	Aurora
Painter, Henry Ellis	P	1	Whitehall, Montana
Parkman, Litt Simon	P	1	Chicago
Fawlowski, Stanislaus Aloysius	P	2	Chicago
Perkins, Roger Wolcott	P	1	Canton
Piepho, Walter August	P	1	Chicago
Polikoff, Maurice Albert	P	2	Chicago
Pomerantz, Maurice Louis	P	1	Chicago
Poplowski, Frank Anthony	P	1	Chicago
Pritikin, Aaron	P	1	Chicago
Purifoy, Edna Mina	P	1	Chicago
Rabinowitz, Maurice	P	2	Chicago
Radner, Maurice	P	2	Chicago
Reinhart, Howard Barthell	P	2	Peoria
Reinstein, Arthur Harry	P	2	Chicago
Reis, Robert Nicholas	P	1	Chicago Heights
Rene, Otis Joseph	P	2	Covington, Louisiana
Renie, Lota Margaret	P	1	Union
Repa, Francis Joseph	P	1	Chicago
Rericha, John James	P	1	Chicago
Rettke, Ralph Conelly	P	2	Chicago
Ribach, Harry	P	2	Chicago
Riley, Robert Matthew	P	1	Quincy
Ritter, John Gilman	P	2	Chicago
Roberts, Leo Albert	P	2	Hillsboro
Rockwood, Charles Preece	P	1	Chicago
Roland, Eugene Dennis	P	1	Chicago
Rosefield, Leonard	P	1	Chicago
Rosen, Isadore	P	1	Chicago
Rosenband, Isadore	P	1	Chicago
Rosenberg, Charles	P	2	Chicago
Rosenberg, Perry	P	1	Chicago
Rosenblatt, Isadore Abraham	P	1	Chicago
Rosenblum, Harold Franklin	P	1	Chicago
Rotberg, David	P	1	Chicago
Roth, Louis	P	1	Chicago
Rowland, James Fred	P	2	Chicago
Robenstein, Nathan	P	1	Chicago
Rubin, Louis	P	1	Chicago
Rush, Raymond	P	1	Chicago
Russell, John Smyth	P	1	Chicago
Ruthstein, Irvin	P	1	Chicago
Rutledge, Charles Emmett	P	2	Heyworth
Sanford, Willard Clark	P	1	Chicago
Sarasin, Thomas Lester	P	2	Chicago
Schaeffer, Carl Howard	P	1	Akron, Ohio
Scheef, Irving Harrison	P	2	La Grange

Schiff, Bernard	P	2	Chicago
Schroeder, Bertrand George	P	1	Chicago
Schroeder, Peter Albert	P	2	Chicago
Schwartz, Saul Blair	P	2	Chicago
Searls, Floyd Dewey	P	1	Amboy
Seibert, Walter Williamson	P	1	Ashley
Seidenstricker, Otto William	P	1	Ashley
Seifert, Martin Henry	P	1	Wilmette
Shames, Harold Jay	P	1	Chicago
Shapero, Louis	P	1	Chicago
Shapiro, Louis Barney	P	1	Chicago
Shapiro, Samuel Solomon	P	1	Chicago
Shugan, Ben Bernard	P	1	South Chicago
Silberman, William	P	1	Chicago
Skala, Laddie Frank	P	2	Chicago
Sloan, Irving	P	2	Chicago
Smiley, James	P	2	Chicago
Smith, Lorenz Laurentine	P	1	Chicago
Smith, Samuel Morris	P	2	Chicago
Smith, Virgil Edward Weber	P	1	Quincy
Snyder, Joyce Lamborn	P	1	Asloria
Soldinger, David Charles	P	2	Chicago
Spore, Allen Francis	P	1	Chicago
Staszak, Walter Anthony	P	1	Chicago
Stern, Lester Merwin	P	2	Chicago
Stier, John George	P	1	Peoria
Stocco, Thomas Anthony	P	1	Chicago
Stogis, Frances Barbara	P	2	Chicago
Stokes, John Charles	P	2	Chicago
Stone, Sidney Manne	P	2	Chicago
Striegel, Harold Stanis	P	2	Waterloo, Iowa
Strunk, Henry Francis	P	1	Chicago
Stuchlik, Vivian Josephine	P	2	Chicago
Swanson, Perle Ferdinand	P	2	Paxton
Szymanski, Richard Thomas	P	1	Cicero
Taylor, Guy Clifton	P	2	Decatur
Testin, John Edward	P	1	Joliet
Thomas, Leon Blake	P	1	Urbana
Thompson, Arnold Albert	P	1	Chicago
Tidwell, Leon Roberts	P	1	Pittsburg
Tikatzky, Julius Max	P	2	Chicago
Tokarski, Cyril Edward	P	2	Chicago
Tompkins, Roy Earl	P	2	Waterman
Treat, Jack Campbell	P	1	Western Springs
Tuma, Frank Charles	P	2	Berwyn
Tunick, Samuel Sidney	P	1	Chicago
Turek, Isador Edward	P	1	Chicago
Tweedie, Forrest Joseph	P	1	Chicago
Twitchell, Standlee Irving	P	2	Bellerive
Tysl, Anton Otto	P	1	Chicago
Ugansky, Chester	P	1	Lyons
Umenhofer, Adolph Melvin	P	1	Chicago
Underriner, Alfred Bernard	P	2	Effingham
VanDerAue, Charles Louis	P	1	Chicago
VanWinkle, Lloyd Henry	P	1	Macomb
Verrier, Arthur Henry	P	1	Antioch
Vidano, John	P	2	Coal City
Wabel, Ralph Alva	P	2	Henry
Wagner, Harold Conrad	P	1	Morris
Warczak, Frank Albert	P	2	Chicago
Warmoltz, Earl Hugh	P	1	Oregon
Washington, Maribel Iristade	P	1	Chicago
Weiner, Hyman Irwin	P	1	Chicago
Weinstein, Julius	P	2	Chicago
Weinstein, Max	P	1	Chicago
Weiss, Henry Spaulding	P	1	Chicago
Wester, Edward Alfred	P	2	Chicago
Wild, Harold Alfred	P	2	Joliet
Wilson, Edith Reed	P	2	Chicago
Wilson, Lester Newton	P	1	Chicago
Winsberg, Harold	P	2	Chicago
Wisler, Raymond	P	1	Chicago
Wolf, Isadore	P	2	Chicago
Workman, Maurice Cliffee	P	Unc	Flora
Yellen, George	P	1	Chicago
Zaucha, Frank Leonard	P	1	Chicago
Zehender, Waide	P	1	Quincy
Zeiler, Edward Henry	P	1	Chicago
Zeitlin, Ralph	P	1	Chicago
Zielinski, Harry Peter	P	2	Chicago
Zindt, Harold Jules	P	1	Downer's Grove
Zirwes, Howard	P	2	Chicago

EXTRA-MURAL COURSES IN INDUSTRIAL EDUCATION FOR TRAINING OF TEACHERS UNDER THE FEDERAL VOCATIONAL EDUCATION ACT

At the present time the University of Illinois is offering at five local centers—in Aurora, Chicago, Belleville, E. St. Louis, and Granite City—extra-mural courses in industrial education for the training of teachers under the Federal Vocational Education Act, including courses for shop teachers, and courses for teachers of general continuation subjects. The home address is given in parenthesis when it differs from the address of the center.

Name	Center	Name	Center
Abrams, William	Chicago	Heidemann, Henrietta	Granite City (St. Louis, Mo.)
Adams, Dora	E. St. Louis	Heinzelman, A G	Chicago
Ashley, George E	Chicago	Herr, Emelia	Belleville
Austin, Steven E	Chicago	Herringshaw, Clark J	Chicago
Babcock, Margaret F	Chicago	Hester, Francis O	Chicago
Bagley, Robert B	Chicago	Higgins, Ormal L	E. St. Louis
Baker, S Orel	Granite City	Hildebrand, Charles H	Chicago
Bandy, Zella	Granite City	Hill, Anna E	Chicago
Bauman, Edward G	Chicago	Hill, Warren E	Chicago
Bergner, Elizabeth A	Chicago	Hoevel, Augusta (Mrs.)	Granite City
Barnard, David Griffith	Aurora	Hoffman, Carl A	Chicago
Bertram, Gladys	Belleville	Holman, Seymour E B	Chicago
Bonghan, Amy	Chicago	Hopper, Olive	E. St. Louis
Bostrom, Esther O	Chicago	Horan, Mary	Chicago
Breese, Bertha	Belleville	Hoskins, Levi L	Chicago
Brinig, Elizabeth	Chicago	Humphney, George Clifford	Granite City
Bufford, Virgil	Granite City	James, Emma White, (Mrs. H)	Chicago
Byrne, May B	Chicago	Jaynes, Ethel	Chicago
Caravello, C	Chicago	Jenkins, Laurence Estel	E. St. Louis
Carlson, C I	Aurora	Johnson, David E	Chicago
Cartwright, Dorris	E. St. Louis	Johnson, Walter Edgar	Chicago
Cartwright, Electia W	E. St. Louis	Johnson, William A	Chicago
Clausen, Harry	Chicago (Glen Ellyn)	Johnson, William H	Chicago
Coleman, George J	Chicago	Jones, W Morris	E. St. Louis
Comment, Rosalie	Belleville	Kable, Otto F	Chicago
Cornwall, Howard B	Aurora	Kealer, Adolph	Chicago
Coyle, James P	Chicago	Keiner, F William	Belleville
Crannel, William P	Chicago	Kenagy, R Harold	E. St. Louis
Cravens, Richard E	Aurora	Kingsley, Frank W	Chicago
Creed, W H	Belleville	Kinkade, Ray	Aurora
Crocken, Mary (Mrs.)	E. St. Louis	Klemme, G W	Belleville
Crowell, John	Chicago	Knauss, B J	Chicago
Daly, Minnie E	Chicago	Knoebel, Eugenia L	Belleville
D'Armond, Luther	Chicago	Krieg, Irma E	Belleville
Davis, David Roy	Granite City	Krug, Ida L	Belleville
Davis, Vera May Brooke	Granite City	Kulicke, Frederick Charles	Chicago
Deets, Frank G	Aurora	Langford, Vick L	Aurora
Dohren, Henry R	Chicago	Laske, Otto	Chicago
Drueck, G P	Chicago	Latimer, Ray Margaretta	Chicago
Duer, Charles W	Chicago	Leitner, Walter	Chicago
Eicher, Eugenia	Belleville	Lentz, Leo F	Belleville
Eismann, Louise H	Chicago (Oak Park)	Lloyd, Georgia	Belleville
Elsner, A	Chicago	Lockwood, W C	Chicago
Emunds, Hortense A	Belleville	Luding, Edna	Belleville
Evans, W A	Chicago	Lutzen, Martin A	Chicago
Farnsworth, Mary S	Chicago	McClelland, F C	Chicago
Fassett, Eunice	Chicago	McClelland, Mary L	Chicago
Fillmore, E E	Belleville	McCoy, E E	Aurora
Fiscus, Isabella N	Chicago	McCreedy, Mabel E	Chicago
Fitzgerald, Margaret	Chicago	McGillen, Josephine F	Chicago
Flannery, Mary	E. St. Louis	McGuire, Mary	E. St. Louis
Fletcher, Ruth Edith	Granite City	McHale, Harry P	Chicago
Fritsch, E A	Chicago	MacMillan, J N	Chicago
Frohardt, Elmer Philip	Granite City	Mantle, Alice	E. St. Louis
Gamberton, Rhoda	Aurora	Mankland, R V	Chicago
Gerkin, Margarete	E. St. Louis	Marnell, Anna F	Chicago
Glasheen, Greta	Chicago	Martin, Paul D	Granite City
Goodwin, Nona	Chicago	Meade, James A	Chicago
Greene, George G	Chicago	Mendelsohn, Henry	Chicago
Griesbach, Harry B	Chicago	Michel, Henning F	Chicago
Grigg, Gladys	Belleville	Milgate, Fred J	Aurora
Grombach, Leota E	Belleville	Miller, Florence	Belleville
Gross, Irwin	Chicago	Miller, Stanley (Mrs.)	Aurora
Hackett, Alice	Belleville	Miller, Stanley R	Aurora
Hackett, Margaret K	Chicago	Miller, William A	Chicago
Haeuber, Anna L	Belleville	Moore, John R	Chicago
Hanselman, Walter F	Chicago	Moore, T Sinclair	Chicago
Harmon, Grace M	Chicago	Murphy, Emma V	Chicago
Harris, Samuel Albert	Chicago (Elmhurst)	Musselman, L J	E. St. Louis
Heber, Emilie Pauline	Belleville	Neuhaus, Erna	Belleville
Heber, Johanna F	Belleville	Odenweller, A L	Belleville
Heer, Henry	Belleville		

Paine, Amy Leigh	Chicago	Schneider, Paul C	Chicago
Pattullo, Milton D	Chicago	Schreuder, Arthur N	Chicago
Patts, D Walter	E. St. Louis	Schwesig, Emma Bertha	Belleville
Payur, George B	Chicago	Scott, Florence	Belleville
Penrose, Roy G	Chicago	Scott, Grace (Mrs.)	E. St. Louis
Pepper, Homer W	Chicago	Sessler, James G	Chicago
Petersen, Christian	Chicago	Sewing, Grace	Granite City
Pettit, Paul W	Chicago		(St. Louis, Mo.)
Pfingst, Calvin Henry	Chicago	Siebert, Charles L	Chicago
Pick, Daisy	Granite City	Singleton, Hanna F	Chicago
Pippit, Aden G	E. St. Louis	Skaar, Marguerite	Belleville
Plaisier, J	Chicago	Snyder, Eleanor	Belleville
Plapp, Doris A	Chicago	Stadtman, Charles C	Granite City
Plegge, E W	Belleville	Stahl, Ira W	Chicago
Pompa, Leroy Henry	Aurora	Stephenson, Floyd S	E. St. Louis
Poore, William E	Chicago	Stevenson, Nora B	Chicago
Price, Frederick E	Chicago	Stone, Jessie R	Chicago
Prichard, Ernest Calvin	Chicago	Sunkel, Amanda V	Belleville
Frosser, Edward	Chicago	Synnerdahl, Joseph M	Chicago
Purnell, May M	E. St. Louis	Taylor, Edward E	Chicago
Quick, Jennie G	E. St. Louis	Taylor, Edward T	Chicago
Rauschkolb, Laverna	Belleville	Thompson, Joseph W	Chicago
Ream, Edward L	Aurora	Thompson, O M	Aurora
Renwick, James M	Chicago	Tiemann, Corinne	Granite City
Richart, Blanche Belle	Granite City	Tyner, Orval D	Chicago
Riepley, Ethel A	E. St. Louis	Udre, Peter P	Granite City
Rilling, V C	Granite City	Uhlir, Arthur	Chicago
Robbins, H B	Aurora	Umbright, Raymond G	Chicago
Roberts, Irma L	Chicago	Valentine, Elmer L	Chicago
Rodgers, Madge G	Chicago	Waddell, Robert	Chicago
Rogers, C G	Chicago	Watt, William T	Chicago
Ruppert, Harry J	Chicago	West, Emma M	Granite City
Russ, Anna D	Belleville	White, Robert F	Granite City
Ryan, Cornelia V	Chicago	Whitenack, Charles Edgar	E. St. Louis
Sandmeyer, M	Chicago	Wiechert, Esther	Belleville
Saunders, M Olga	Chicago	Wiesmann, Lulu	Belleville
Savage, Albert E	Chicago	Wilson, William T	Chicago
Sawyer, Tillie	E. St. Louis	Young, Jessie R B	Granite City
Schatz, Karl H	E. St. Louis		(E. St. Louis)
Scheerer, G H	Chicago	Young, Mildred	Chicago
Scherbarth, Ellen M	Chicago	Zehner, Amelia	Belleville
Scherrer, Charles H	E. St. Louis	Zerweck, Roberta M	Belleville
Schiltz, M P	Aurora	Zimmerman, K	Chicago
Schladweiler, Mary F	Chicago	Zingrabe, Anna	Chicago
Schlueter, Anita Cordelia	Belleville		

DEGREES CONFERRED

1922

Degrees are conferred at four times in the year, as follows: (1) at the end of the first semester, in February; (2) at the end of the second semester, in June; (3) at the end of the Summer Session, in August; (4) in October. Unless otherwise stated, the degrees in the following lists were conferred on June 14, 1922.

THE UNDERGRADUATE COLLEGES

(Degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Music)

JOSEPHINE ELEANOR ABBOTT, Bachelor of Arts (Liberal Arts)
WILLIARD HAROLD ABNEY, Bachelor of Science (Foreign Commerce)
LEONARD GLADSON ABRAHAM, Bachelor of Science (Electrical Engineering)
ROY THEODORE ABRAMSON, Bachelor of Science (Agriculture)
BURL RAYMOND ABT, Bachelor of Science (General Business)
GEORGE FRANK ADAMEK, Bachelor of Science (General Business)¹
RUTH MARGARET AHLENIUS, Bachelor of Arts (Liberal Arts)
JOSEPH EUGENE AIKEN, Bachelor of Science (Electrical Engineering)
DEWEY VERNE ALBERTS, Bachelor of Science (Chemistry)²
ROY ARTHUR ALBERTSON, Bachelor of Science (Architectural Engineering)
LOUIS JESSUP ALEXANDER, Bachelor of Science (Architectural Engineering)
MARTIN BENJAMIN ALLEMAN, Bachelor of Science (Agriculture)
EVERETT HARMEN ALLISON, Bachelor of Science (Mining Engineering)
DONALD SUTHERLAND ANDERSON, Bachelor of Science (General Business)
JOHN ARTHUR ANDERSON, Bachelor of Science (Chemistry)
LOUDENE ANDERSON, Bachelor of Arts (Liberal Arts)
MAE JANETTE ANDERSON, Bachelor of Arts (Liberal Arts)
PAUL AUGUST CORNELIUS ANDERSON, Bachelor of Science (General Business)
HOWARD WILBERT ANDREWS, Bachelor of Science (General Business)
LELLWYN RAYMOND ANWAY, Bachelor of Science (Physical Education)
CLARENCE OLIVER APPLEGRAN, Bachelor of Science (Agriculture)
WILLIAM YOUNG ARMSTRONG, Bachelor of Science (Chemical Engineering)
RUSSELL ELLSWORTH ARNOLD, Bachelor of Science (Ceramic Engineering)
EUGENIA JENKINS ARTOR, Bachelor of Arts (Liberal Arts)
EARL WALSTON ATKINSON, Bachelor of Science (Electrical Engineering)
GRAEME LINDLEY ATKINSON, Bachelor of Science (Chemical Engineering)
THELMA MARIE ATKINSON, Bachelor of Arts (Liberal Arts)³
ALICE LOUETTA AXTON, Bachelor of Arts (Liberal Arts)
RUTH MARIA BAILEY, Bachelor of Arts (Liberal Arts)
FRIEDA BAIRD, Bachelor of Science (General Business)
ELDERD BENJAMIN BAKER, Bachelor of Science (Commercial Teachers)
SOPHIA BAKER, Bachelor of Arts (Liberal Arts)
BEULAH HELEN BALDWIN, Bachelor of Science (Education)
GRACE HOWARD BALDWIN, Bachelor of Arts (Liberal Arts)
JAMES HOWELL BALDWIN, Bachelor of Science (Education)¹
ANN META BALE, Bachelor of Arts (Liberal Arts)
MARIAM JOSEPHINE BALES, Bachelor of Arts (Liberal Arts)
JULIUS BANASHEK, Bachelor of Science (Accountancy)
RUTH BANCROFT, Bachelor of Science (Home Economics)¹
WILLIAM BARBER, Bachelor of Science (General Business)
LYLE NELSON BARCUME, Bachelor of Science (Architecture)
LUCILLE MINER BARKER, Bachelor of Arts (Liberal Arts)
ALBERT H. BARNETT, Bachelor of Science (Chemical Engineering)³
IRVING WOOD BARNETT, Bachelor of Science (General Business)
MARY LORENE BARNETT, Bachelor of Arts (Liberal Arts)
IGNACIO CARLOS BAROUSSE, Bachelor of Science (Architecture)
ISAAC BEANER BARRETT, Bachelor of Science (Agriculture)
JOHN DEAN BARRICK, Bachelor of Arts (Liberal Arts)
WALTER ANDRESS BARRY, Bachelor of Science (Industrial Administration)
MAYNORD TODD BARTHOLOMEW, Bachelor of Science (Industrial Administration)
GEORGE JACOB BARTLE, Bachelor of Science (General Business)
LESTER LESLIE BARTON, Bachelor of Science (General Business)
FRANCES ANGELA BASKERVILLE, Bachelor of Arts (Liberal Arts)
IRENE BASS, Bachelor of Science (General Business)
PERKINS BURNHAM BASS, Bachelor of Science (Industrial Administration)³
VERA VIVIAN BASSETT, Bachelor of Arts (Liberal Arts)
NELLIE FLORENCE BATES, Bachelor of Arts (Liberal Arts)
GOMER DAVID BATH, Bachelor of Arts (Liberal Arts)¹
CLARENCE WAYNE BAUGHMAN, Bachelor of Science (Landscape Gardening)
RAY ALONZO BAUM, Bachelor of Arts (Liberal Arts)
KARL CONANT BAUMGARDNER, Bachelor of Arts (English)⁴
ROSS SONNEFIELD BAUMUNK, Bachelor of Science (Banking)
THEODORE FRANKLIN BAYER, Bachelor of Science (Foreign Commerce)
HERBERT GRANT BAYLEY, Bachelor of Science (Accountancy)

¹Degree conferred August 12, 1922.

²Degree conferred February 8, 1922.

³Degree conferred October 20, 1922.

⁴With high honors.

HARRIET ALICE BEACH, Bachelor of Arts (Liberal Arts)
 HALDANE WESLEY BEAN, Bachelor of Science (Agriculture)
 VIOLET ELIZABETH BEAN, Bachelor of Arts (Liberal Arts)¹
 CHARLES LLOYD BEATTY, Bachelor of Science (Agriculture)
 FRANCES MERRILL BEATTY, Bachelor of Science (Accountancy)
 CARL BECKER, JR., Bachelor of Science (Chemical Engineering)
 EDMUND FREDERICK BECKER, Bachelor of Science (General Business)
 ARNOLD ORVILLE BECKMAN, Bachelor of Science (Chemical Engineering)²
 WALTER EWART BEEBE, Bachelor of Science (General Business)
 DOROTHEA JOSEPHINE BEEBY, Bachelor of Arts (Liberal Arts)
 ARTHUR KARL BEECHLER, Bachelor of Science (Electrical Engineering)
 CHARLES NONMAN BEGGS, Bachelor of Science (Civil Engineering)
 WILLIAM JOHN BEHRENS, Bachelor of Science (Electrical Engineering)
 GRACE BELL, Bachelor of Science (Commercial Teachers)
 ROY MILLER BELNAP, Bachelor of Science (General Business)
 AUSTIN HAROLD BENNETT, Bachelor of Science (General Business)
 EUGENE LEROY BENSON, Bachelor of Science (Civil Engineering)
 HAROLD GUST BENSON, Bachelor of Science (General Business)
 JOHN HAROLD BENSON, Bachelor of Science (Mechanical Engineering)
 EDWIN CHRISTOPHER BERENDES, Bachelor of Science (Architecture)
 ARVID HENRY BERG, Bachelor of Science (Chemistry)
 HERBERT ANDREW BERG, Bachelor of Science (Agriculture)
 LESTER KNIFE BERGLY, Bachelor of Science (Physical Education)
 HERBERT SAUL BERNSTEIN, Bachelor of Science (General Business)
 HUGH MONAHAN BESHERS, Bachelor of Science (Civil Engineering)
 RICHARD BLAND BEST, Bachelor of Science (Agriculture)
 JOSEPH B. BIANCHI, Bachelor of Arts (Liberal Arts)¹
 FRED STEPHEN BILA, Bachelor of Science (Accountancy)
 RICHARD EDGAR BISHOP, Bachelor of Science (Architecture)
 ROMALDA TERESA BISHOP, Bachelor of Arts (Liberal Arts)
 JOHN NELSON BLACK, Bachelor of Science (General Business)
 CLARA BLACKARD, Bachelor of Arts (French)²
 CYRENE ELIZABETH BLACKMAN, Bachelor of Arts (Liberal Arts)¹
 MCKENDREE MCELFRISH BLAIR, Bachelor of Arts (Liberal Arts)
 CARL XERXES BLOMBERG, Bachelor of Science (General Business)²
 WALTER ANTHONY BLUE, Bachelor of Science (Civil Engineering)
 EDITH SUSAN BLUNT, Bachelor of Science (General Business)
 OSCAR DAVID BLUTHARDT, Bachelor of Science (Chemistry)
 CARL FREDERICK BOEHME, Bachelor of Science (Agriculture)
 GERHARDT HERMAN BOHN, Bachelor of Science (Mechanical Engineering)
 ELMER RISWIG BOLLERBACK, Bachelor of Science (Electrical Engineering)
 FRANCIS LEWIS BOLLINGER, Bachelor of Science (Industrial Administration)
 LOCO WILLIAM BORAH, Bachelor of Arts (General Business)¹
 MAYNARD BOSWELL BURWASH, Bachelor of Science (Agriculture)
 WILLIAM DOW BOUTWELL, Bachelor of Arts (Liberal Arts)
 CHARLES EDWARD BOWEN, Bachelor of Science (General Business)
 LEON LUTHER BOWEN, Bachelor of Science (Mechanical Engineering)
 WILLIAM VICTOR BOWEN, Bachelor of Science (Mechanical Engineering)
 BURNETTE ORUM BOWER, Bachelor of Science (Railway Mechanical Engineering)
 DONALD FYFE BOWEY, Bachelor of Science (Chemistry)
 FRANK EDWARDS BOWLES, Bachelor of Arts (Liberal Arts)
 THOMAS ALEXANDER BOYD, Bachelor of Science (Accountancy)
 ARTHUR NELSON BRABROOK, Bachelor of Science (General Business)¹
 LEONARD WILKIN BRAHAM, Bachelor of Science (Agriculture)
 WILLIAM HENRY BRAMAN, Bachelor of Science (Civil Engineering)
 IVAN BUNDY BRANHAM, Bachelor of Science (Ceramic Engineering)
 DANIEL ANDREW BRANIGAN, Bachelor of Science (Civil Engineering)
 ESTHER DOROTHEA BRAUNS, Bachelor of Science (General Business)
 FLORENCE CARTER BRAZELTON, Bachelor of Science (Education)
 ERWIN CARL BREDE, Bachelor of Science (Architectural Engineering)
 JOHN FRED BREDEHOEFT, Bachelor of Science (Accountancy)
 JESSE CURRIER BREMER, Bachelor of Science (Civil Engineering)
 JAMES THOMAS BRENNAN, Bachelor of Science (General Business)¹
 JOHN JAMES BRESEE, Bachelor of Science (Architectural Engineering)
 ELLEN RUTH BREWER, Bachelor of Arts (Liberal Arts)
 WILLIAM BREWSTER, Bachelor of Science (Commerce)⁴
 ALBERT WILLIAM BRETFOGEL, Bachelor of Science (Electrical Engineering)
 LINWOOD LEONARD BRICKHOUSE, Bachelor of Arts (Liberal Arts)
 ROBERT STAFFORD BRISTOL, Bachelor of Science (Accountancy)
 GLEN PORTER BROCK, Bachelor of Science (Railway Administration)
 IRL MAXWELL BROCK, Bachelor of Science (Education)²
 JAMES KNOX BROOKS, Bachelor of Science (Agriculture)¹
 REUBEN BROOKSTONE, Bachelor of Science (Accountancy)
 EUNICE JOSEPHINE BROWN, Bachelor of Arts (Liberal Arts)
 GEORGE BENTLEY BROWN, Bachelor of Science (Mechanical Engineering)
 KENNETH COTTON BROWN, Bachelor of Science (Mechanical Engineering)
 LYLE CHASE BROWN, Bachelor of Science (General Business)
 GEORGE ARTHUR BROWNE, Bachelor of Science (Agriculture)
 RICHARD GIBBS BROWNE, Bachelor of Arts (History)³
 ROBERT BELLE BROWNE, Bachelor of Science (Education)¹
 NANCY POPE BROWNING, Bachelor of Arts (Liberal Arts)

¹Degree conferred October 20, 1922.

²Degree conferred August 12, 1922.

³With honorable mention.

⁴Degree conferred February 8, 1922.

WARREN COBINE BRUCE, Bachelor of Science (Chemical Engineering)
 OTTO EDWIN BRUNKOW, Bachelor of Science (Architecture)
 JENNINGS MATHEWS BRYAN, Bachelor of Science (General Business)
 BURTON KELLOGG BRYANT, Bachelor of Arts (Liberal Arts)¹
 ROBERT BEACHE BRYANT, Bachelor of Science (Agriculture)
 LESLIE JAMES BUCHAN, Bachelor of Science (Banking)
 HELEN IRENE BUCKLER, Bachelor of Arts (English)²
 ERNEST JAMES BUDGE, Bachelor of Science (Civil Engineering)
 BOYD WILLARD BULLOCK, Bachelor of Science (General Business)
 ALICE MAY BUMSTEAD, Bachelor of Arts (Liberal Arts)
 CATHARINE BUNTIN, Bachelor of Science (Home Economics)¹
 KATHERINE WILSON BURD, Bachelor of Arts (Liberal Arts)
 OLAV DOBBINS BURGE, Bachelor of Arts (Liberal Arts)³
 OSCAR EDWIN BURKHART, Bachelor of Arts (Liberal Arts)
 DONALD WILLIAM BUSH, Bachelor of Science (Landscape Gardening)
 JAMES ALLEN BUTLER, Bachelor of Science (Industrial Administration)
 ERMA ELIZABETH CABLE, Bachelor of Science (Education)
 EDUARDO GONZALEZ CADAVAL, JR., Bachelor of Science (Electrical Engineering)
 JOHN RANNELLS CADMORE, Bachelor of Science (Agriculture)
 LULU CAIN, Bachelor of Arts (Liberal Arts)
 RUTH MARGARETTA CALDWELL, Bachelor of Science (Banking)
 EDWARD JOHN CALTA, Bachelor of Science (Civil Engineering)
 DAISY CATHERINE CAMERON, Bachelor of Science (Commercial and Civic Secretaries)
 JUAN DAYOAN CAMPOS, Bachelor of Science (Liberal Arts)
 FRANKLIN AUGUSTUS CANADAY, Bachelor of Science (Agriculture)
 WARD CURTIS CANNON, Bachelor of Science (Agriculture)
 HERBERT NELS RICHARD CARLSON, Bachelor of Science (Electrical Engineering)
 PAUL LEONARD CARLSON, Bachelor of Science (Civil Engineering)
 ARTHUR SINN CARMAN, Bachelor of Science (Agriculture)
 GAGE GRIFFIN CARMAN, Bachelor of Science (Agriculture)³
 MAX GRIFFIN CARMAN, Bachelor of Arts (Mathematics)²
 OMAR SINN CARMAN, Bachelor of Science (Agriculture)
 JOHN WESLEY CARRINGTON, Bachelor of Science (Education)
 HERBERT DUANE CARTER, Bachelor of Science (Chemical Engineering)
 MARGARET CARTER, Bachelor of Arts (Home Economics)
 VENA CARTER, Bachelor of Science (Foreign Commerce)
 GEORGE MICHAEL CARVLIN, Bachelor of Science (Chemistry)¹
 ANNABEL ELIZABETH CATHCART, Bachelor of Arts (Classics)⁴
 ARTHUR SIMON CHABOT, Bachelor of Science (Agriculture)
 JOHN TOOLE CHADWELL, Bachelor of Arts (Liberal Arts)
 OLOVIA LANGDON CHAMBERLAIN, Bachelor of Science (Landscape Gardening)
 GEORGE ASA CHANDLER, Bachelor of Science (Landscape Gardening)
 GEORGE LAVERNE CHANDLER, Bachelor of Science (General Business)
 HWUI WU CHAO, Bachelor of Science (Mechanical Engineering)¹
 WEIHAN CHAO, Bachelor of Science (Mechanical Engineering)
 THOMAS FRANKLIN CHEANEY, Bachelor of Science (Electrical Engineering)
 HSIO YU CHENG, Bachelor of Arts (Liberal Arts)¹
 MARION CLANCY, Bachelor of Science (Home Economics Education)⁵
 CHESTER NICHOLAS CLARK, Bachelor of Science (Electrical Engineering)
 JAMES WILLIAM CLARK, Bachelor of Science (Civil Engineering)
 JOHN ELLIOTT CLARK, Bachelor of Arts (Liberal Arts)
 KATHRYN DUMFORD CLARK, Bachelor of Science (Education)
 ARTHUR DWIGHT CLAUSEN, Bachelor of Science (Agriculture)
 JOHN JOSEPH CLEGG, Bachelor of Science (Agriculture)
 EDITH FIELD CLOYES, Bachelor of Science (Liberal Arts)
 ARTHUR VERNON COALE, Bachelor of Science (Landscape Gardening)
 JOHN WILLIAM COALE, Bachelor of Science (Agriculture)
 PAUL BOYD COCHRAN, Bachelor of Science (Chemistry)
 HELEN MARIE COCHRANE, Bachelor of Arts (Liberal Arts)
 MILDRED MARIAM COEN, Bachelor of Arts (Liberal Arts)
 BESS ANNE COFFEE, Bachelor of Science (Home Economics)
 ALDEN WILLIAMS COFFMAN, Bachelor of Science (Chemistry)³
 MARK STARK COFFMAN, Bachelor of Science (General Business)
 SAMUEL COHN, Bachelor of Science (Chemical Engineering)³
 HELEN BERNICE COLE, Bachelor of Arts (Liberal Arts)
 GUILLERMO GARCIA COLIN, Bachelor of Science (Liberal Arts)³
 DAVID BURTON COLLINGS, Bachelor of Science (Electrical Engineering)
 WALTER SAMUEL COLLINS, Bachelor of Science (Agricultural Education)
 LUCY EMILY COMSTOCK, Bachelor of Arts (Liberal Arts)⁶
 RUSSELL GLENN CONE, Bachelor of Science (Civil Engineering)
 HARLAN DEWITT CONN, Bachelor of Science (Foreign Commerce)
 CASPER HANZER CONRAD, JR., Bachelor of Science (Agriculture)
 CLARENCE LEONARD CONRAD, Bachelor of Science (Electrical Engineering)
 JOHN WALTER CONRAD, Bachelor of Science (Accountancy)
 CARL FREDERICK MARTIN COOK, Bachelor of Science (Agriculture)
 RAYMOND MACK COOK, Bachelor of Science (Education)⁵
 ROBERT HOWELL COOKE, Bachelor of Science (Civil Engineering)
 ALBERT WILLIAM COOPER, Bachelor of Science (Mechanical Engineering)
 HARRIET COPLEY, Bachelor of Arts (Liberal Arts)
 MARY COPLEY, Bachelor of Science (Education)¹

¹Degree conferred February 8, 1922.

²With high honors.

³Degree conferred October 20, 1922.

⁴With honorable mention.

⁵Degree conferred August 12, 1922.

JOY SYLVIN CORD, Bachelor of Arts (Home Economics)
 HAROLD THORNTON COSS, Bachelor of Science (Ceramic Engineering)
 MERVIN FRANKLIN COTES, Bachelor of Science (General Business)
 LELAND IRVIN COTHERN, Bachelor of Science (Mining Engineering)
 ERMA COTTINGHAM, Bachelor of Science (Home Economics)
 CHARLES CLEMENS COUNCELL, Bachelor of Science (Architectural Engineering)
 ESTHER LYDIA COWAN, Bachelor of Science (General Business)
 ROLAND ADHEMAR COWELL, Bachelor of Science (Education)¹
 RALPH GIBSON CRAMMOND, Bachelor of Science (Agriculture)
 HENRY LUDLOW CRANE, Bachelor of Science (Agriculture)
 WALTER FRANCIS CRANGLE, Bachelor of Science (Education)²
 CLARENCE ELMER CRILL, Bachelor of Science (General Business)²
 GLEN MONROE CROSBY, Bachelor of Science (Industrial Education)
 CLARENCE FRANCIS CROSSLEY, Bachelor of Science (Chemistry)
 RAY EUGENE CRYDER, Bachelor of Science (Agriculture)¹
 EDWIN KENDALL CUNLIFFE, Bachelor of Science (Civil Engineering)¹
 NANNIE CURRIE, Bachelor of Arts (Liberal Arts)¹
 EDWARD AUGUSTUS CURTISS, Bachelor of Science (Agriculture)
 ANGELINE BERTHA CUSHMAN, Bachelor of Science (Home Economics)¹
 GAIL MONROE DACK, Bachelor of Science (Agriculture)²
 DORRIS LOUISE DAHLBERG, Bachelor of Arts (Liberal Arts)
 MARIE FLORENCE DAHM, Bachelor of Arts (Liberal Arts)
 PERCY HARRISON DAIGH, Bachelor of Science (Agriculture)
 CARLETON ELMER DANGREMOND, Bachelor of Science (General Business)
 LUCY HELEN DANIELS, Bachelor of Arts (Liberal Arts)
 RUPERT SAMUEL DANIELS, Bachelor of Science (Chemistry)
 ADDIS LEONEL DAUBER, Bachelor of Science (Agriculture)
 CATALINA DAVIS, Bachelor of Arts (Liberal Arts)
 CLARE RUDOLPH DAVIS, Bachelor of Science (Education)⁴
 WALDO EMERSON DAVIS, Bachelor of Science (Electrical Engineering)
 ESTHER VICTORIA DAY, Bachelor of Arts (Liberal Arts)
 HOWARD BLOODGOOD DAY, Bachelor of Science (Electrical Engineering)¹
 HAROLD FREDERICK DEAN, Bachelor of Science (Mechanical Engineering)
 PHILIP THORNTON DEDMAN, Bachelor of Science (Mechanical Engineering)
 FREDERICK ARTHUR DENCER, Bachelor of Science (Mining Engineering)
 VAN ALVIN DENISON, Bachelor of Science (Architectural Engineering)
 CARRIE WILHELMINA DEPENDAPF, Bachelor of Science (Education)
 JACK JOSEPH DEVORE, Bachelor of Science (Mechanical Engineering)
 CLYDE LOTAN DEXTER, Bachelor of Science (Agriculture)¹
 RAY EMERSON DHEIN, Bachelor of Science (Architectural Engineering)
 GEORGE WOODRUFF DIEFENDERFER, Bachelor of Science (Agriculture)
 CARL BERNHARDT DIETRICH, Bachelor of Science (General Business)
 RUTH JOSEPHINE DIETRICH, Bachelor of Arts (Liberal Arts)
 LELA LUCILE DILLING, Bachelor of Arts (Liberal Arts)
 TERESITA DILLON, Bachelor of Arts (Liberal Arts)²
 FRANCES EMALINE DITTMANN, Bachelor of Science (Agriculture)
 THOMAS CARL DIXON, Bachelor of Science (General Business)
 EMILY ELIZABETH DOAK, Bachelor of Arts (Liberal Arts)
 JOSEPHINE DODDS, Bachelor of Arts (Landscape Gardening)
 MARIE ELIZABETH DOHM, Bachelor of Arts (Home Economics)
 MARY ELLEN DONAHUE, Bachelor of Science (Home Economics)
 EDWIN WALLACE DOUGHERTY, Bachelor of Science (Agriculture)¹
 THOMAS JAY DOUGLASS, Bachelor of Science (Agriculture)
 RALPH STANLEY DOWELL, Bachelor of Science (Banking)
 FLORENCE GLADYS DRAPER, Bachelor of Science (General Business)
 ROBERT HAROLD DUCHEMIN, Bachelor of Science (Civil Engineering)
 MARY SYBIL DUNBLAZIER, Bachelor of Arts (Liberal Arts)
 HERMAN OSCAR DUNCAN, Bachelor of Science (Education)¹
 NEAL DUNCAN, Bachelor of Science (Agriculture)
 JOHN HOMER DUNOAN, Bachelor of Science (Mechanical Engineering)
 MARJORIE ARMSTRONG DURHAM, Bachelor of Arts (Liberal Arts)
 MORRIS DAVID DURHAM, Bachelor of Arts (Liberal Arts)
 PAUL MILLARD DURST, Bachelor of Science (Electrical Engineering)
 PAUL BROWNELL DUSENBERRY, Bachelor of Science (Civil Engineering)
 KENNETH KEITH DUVALL, Bachelor of Science (Banking)
 HERBERT ELMER DUX, Bachelor of Science (Civil Engineering)
 RAYMOND FRANCIS DVORAK, Bachelor of Science (General Business)
 ETHEL GOLDEN DYER, Bachelor of Science (Education)
 NELLIE EDITH EARNEST, Bachelor of Arts (Liberal Arts)
 COLMAN EATON, Bachelor of Science (Architectural Engineering)
 GEORGE CHARLES EBERT, Bachelor of Science (Chemistry)⁴
 JACK EBERT, Bachelor of Science (Mechanical Engineering)
 HAROLD CROCKER ECKART, Bachelor of Science (Mining Engineering)
 ESTELLE EMMA EDWARDS, Bachelor of Arts (Liberal Arts)⁴
 BURR SIMMONS EICHELMAN, Bachelor of Science (Agriculture)
 GEORGE ELBERT EKBLAW, Bachelor of Arts (Geology)⁵
 CLARENCE ARTHUR ELDEN, Bachelor of Science (Chemistry)
 SAMUEL MORRIS ELLMAN, Bachelor of Science (Railway Electrical Engineering)²
 JOHN JACOB EMRICK, Bachelor of Science (General Business)

¹Degree conferred February 8, 1922.²Degree conferred October 20, 1922.³With thesis.⁴Degree conferred August 12, 1922.⁵With high honors.

CLARENCE EVERET EMS, Bachelor of Science (Agriculture)¹
 HERMAN SAMUEL ENGELBRECHT, Bachelor of Science (General Business)
 HENRY ADOLPH ENGELHARDT, Bachelor of Science (General Business)
 ORLAN HASSETT EPPERSON, Bachelor of Science (Education)²
 DONALD MILTON ERB, Bachelor of Science (General Business)
 ERICK GUSTAF ERICKSON, Bachelor of Science (Mechanical Engineering)
 RALPH EDWARD ERICKSON, Bachelor of Science (Civil Engineering)
 PAUL HENRY ESSLINGER, Bachelor of Arts (Liberal Arts)
 ESTHER EDGEWORTH EVANS, Bachelor of Arts (Liberal Arts)
 WILLIAM HAROLD EVANS, Bachelor of Arts (Liberal Arts)¹
 LENORE LEE EVERSOLE, Bachelor of Arts (Liberal Arts)
 DEAN MCLEOD EWING, Bachelor of Science (Agriculture)²
 DOROTHY ADELE EYCLESHYMER, Bachelor of Science (General Business)
 FLORENCE LEONE FAIR, Bachelor of Arts (Liberal Arts)³
 GEORGE VIGGO FALKENBERG, Bachelor of Science (Agriculture)
 ELBRIDGE KITCHEL FARRAND, Bachelor of Science (General Business)
 WILLIAM JAMES FARRELL, JR., Bachelor of Science (Chemistry)
 TIERA FARROW, Bachelor of Arts (Liberal Arts)²
 LEE ORION FENCKEN, Bachelor of Science (Accountancy)
 MILTON ABRAHAM FEUER, Bachelor of Science (Insurance)
 DAVID FIELDS, Bachelor of Arts (Liberal Arts)³
 FRANK FELIX FILUT, Bachelor of Science (Accountancy)
 ISADORE FINKELSTEIN, Bachelor of Science (Chemistry)
 RICHARD STONER FISHER, Bachelor of Science (Chemistry)
 HUGH FITCH, Bachelor of Science (Mechanical Engineering)¹
 MORGAN LEWIS FITCH, Bachelor of Arts (Liberal Arts)¹
 LELAND ADDIS FLEMING, Bachelor of Science (Industrial Administration)
 MILDRED DOROTHY FLEMING, Bachelor of Arts (Liberal Arts)⁴
 CLARE EDWARD FLESHER, Bachelor of Arts (Liberal Arts)
 MARTINIANO FLORO, Bachelor of Science (Mechanical Engineering)
 VICTOR AUGUST FLOSTROM, Bachelor of Science (Foreign Commerce)
 ROSE JUNE FOGELSON, Bachelor of Science (General Business)¹
 KENNETH ARTHUR FORD, Bachelor of Science (Agriculture)
 FRANCES ADALINE FORKER, Bachelor of Arts (Home Economics)
 CHARLES WRIGHT FORNOFF, Bachelor of Arts (Liberal Arts)⁴
 LERAY MERRILL FOSS, Bachelor of Science (Agriculture)²
 ALFRED FOSTER, Bachelor of Science (Home Economics Education)
 ELLIOTT EUGENE FOSTER, Bachelor of Arts (Liberal Arts)
 GRACE MARION FOSTER, Bachelor of Arts (Liberal Arts)⁴
 SYDNEY PERCY FOSTER, Bachelor of Science (Chemical Engineering)
 ULRIC CLARENCE FOSTER, Bachelor of Science (Electrical Engineering)
 HERSCHELL FOX, Bachelor of Science (Agriculture)³
 EARL CARLIS FRANKLIN, Bachelor of Science (Education)
 HELEN LOUISE FRANTZ, Bachelor of Arts (Home Economics)
 CLARENCE HOBART FREARK, Bachelor of Science (Accountancy)
 JOHN BROWNLEE FREDERICKSON, Bachelor of Arts (Liberal Arts)
 HELEN BUSEY FREEMAN, Bachelor of Arts (Liberal Arts)
 THUSNELDA CLARA FREITAG, Bachelor of Arts (Liberal Arts)
 PEARL ELIZABETH FRIER, Bachelor of Arts (Home Economics)
 JAMES EDWIN FRITTS, Bachelor of Science (Chemistry)²
 OSCAR FROST, Bachelor of Science (Civil Engineering)
 GRACE BERNADINE FRY, Bachelor of Science (Home Economics)
 CONSTANCE HILLIARD FULLER, Bachelor of Arts (Liberal Arts)
 ZELDA HELENE FULTON, Bachelor of Arts (Liberal Arts)
 AGNES MAE GALLION, Bachelor of Arts (Home Economics)
 RICHARD HENRY GANSBERGAN, Bachelor of Science (General Business)
 CECIL ELMER GATES, Bachelor of Science (Agriculture)
 LOUIS GAULT, Bachelor of Science (Civil Engineering)
 SARA LETTIE GAY, Bachelor of Arts (Home Economics)
 ELSEY JORDAN GAYER, Bachelor of Arts (Liberal Arts)¹
 FRED FRANK GEISS, Bachelor of Science (General Business)
 RALPH GILES GHER, Bachelor of Science (Civil Engineering)
 KARL MALCOLM GIBBON, Bachelor of Arts (Liberal Arts)
 EUGENIA LEONE GIBERSON, Bachelor of Science (Education)
 JOHN THOMAS GIBSON, Bachelor of Science (Commerce and Law)
 FLORENCE LILLIAN GIDINGHAGEN, Bachelor of Arts (Liberal Arts)⁴
 HELEN GALE GILBERT, Bachelor of Arts (Liberal Arts)²
 MILDRED JANET GILLEN, Bachelor of Arts (Home Economics)
 CHARLES EDWARD GILLHAM, Bachelor of Science (Agriculture)³
 DAVID WILLIAM GIPSON, Bachelor of Science (Floriculture)¹
 HAROLD MARTIN GLENN, Bachelor of Arts (Liberal Arts)
 SIDNEY ERWIN GLENN, Bachelor of Arts (Liberal Arts)⁴
 DONALD FREDRICK GLOS, Bachelor of Science (Mechanical Engineering)
 SAMUEL PHILIP GLUSKOTER, Bachelor of Science (Mechanical Engineering)
 CLARA ELIZABETH GODDARD, Bachelor of Arts (Liberal Arts)
 FRED SAMUEL GOETZ, Bachelor of Science (General Business)
 DIOS EDWARD GOLDEN, Bachelor of Science (Agriculture)
 SAMUEL GOLDSHOLL, Bachelor of Science (Civil Engineering)
 GRACE LUCILLE GOODYEAR, Bachelor of Arts (Home Economics)
 WILBOR CLARK GORHAM, Bachelor of Arts (Liberal Arts)³

¹Degree conferred February 8, 1922.

²Degree conferred August 12, 1922.

³Degree conferred October 20, 1922.

⁴With honorable mention.

⁵With high honors.

WILLIAM PORTER GOSSETT, Bachelor of Arts (Liberal Arts)
 RONALD CLIFTON GRAHAM, Bachelor of Science (Agriculture)
 ALGIRDAS ANDREW GRAICUNAS, Bachelor of Science (Agriculture)
 ORIN BRADFORD GRANT, Bachelor of Science (Chemistry)
 EARL KENNETH GRAY, Bachelor of Science (General Business)
 HORACE MONTGOMERY GRAY, Bachelor of Science (Accountancy)¹
 HOWARD WILLIAM GRAY, Bachelor of Science (Accountancy)
 MILDRED GRAY, Bachelor of Arts (Liberal Arts)²
 SIDNEY JAY GRAY, Bachelor of Science (Agriculture)
 JOHN RUSSELL GREEN, Bachelor of Science (Ceramic Engineering)
 AMY ELIZABETH GREENHALGH, Bachelor of Science (Liberal Arts)²
 HELEN RUTH GREGORY, Bachelor of Arts (Liberal Arts)³
 EVERETT MCKEE GRIFFITH, Bachelor of Arts (Liberal Arts)
 MYRON GUTHRIE GRIGG, Bachelor of Science (General Business)
 MELBOURN REDMOND GRIGSBY, Bachelor of Arts (Liberal Arts)⁴
 HORACE FRANCIS GRIMM, Bachelor of Science (General Business)⁵
 ROBERT ARTHUR GROBENGIESER, Bachelor of Science (General Business)
 ROSCOE CHARLES GROEGER, Bachelor of Science (Electrical Engineering)
 HERBERT MELVIN GRONNERUD, Bachelor of Science (Civil Engineering)
 WALDORF WILLIAM GROTE, Bachelor of Science (Mechanical Engineering)
 CARL FREDERICK GRUNEWALD, Bachelor of Science (Floriculture)
 FREDERICA MAI GRYLICH, Bachelor of Arts (Liberal Arts)
 LOUIS HENRY GUENTHER, Bachelor of Arts (Liberal Arts)
 SANFORD JOSEPH GULLEY, Bachelor of Science (Electrical Engineering)
 NORMAN LEO GUTFREUND, Bachelor of Arts (Liberal Arts)
 MARGARET HANNAH HADLEY, Bachelor of Arts (Liberal Arts)
 FLOYD DAVID HAGER, Bachelor of Science (Chemistry)
 ALTA RUTH HAHN, Bachelor of Arts (Liberal Arts)⁵
 WILLIAM FRED HAHNE, Bachelor of Science (General Business)
 JOSEPHINE MARIBA HALEY, Bachelor of Science (Education)
 LOUIS GIRARD HALL, Bachelor of Science (Agriculture)
 WILLIAM EDWARD HALLOVER, Bachelor of Science (Architectural Engineering)
 CHARLES JACOB HALLER, Bachelor of Science (Electrical Engineering)
 ISADORE MARTIN HALPERIN, Bachelor of Science (Railway Electrical Engineering)
 ARNOLD OLIVER HALVORSEN, Bachelor of Science (Civil Engineering)³
 ALBERT EMIL HAMMERSTEIN, Bachelor of Science (Civil Engineering)
 ASAPH CHANDLER HAMMOND, Bachelor of Science (Agriculture)
 BERTRAND TARRANT HAMMOND, Bachelor of Science (Agriculture)
 HOWARD HENRY HANDLEY, Bachelor of Science (General Business)¹
 THEODORE MARTIN HANFT, Bachelor of Science (Agriculture)¹
 LILLIAN VERNEILLE HANNAM, Bachelor of Science (Education)
 EVERETT JAMES HANSEN, Bachelor of Science (Mechanical Engineering)
 NORMAN ALBERT HANSEN, Bachelor of Science (Chemistry)⁴
 MATRINE LOUISE HANSON, Bachelor of Science (Education)
 JAMES EDWARD HARDEN, Bachelor of Science (Civil Engineering)
 JOSEPHINE FRANCES HARDESTY, Bachelor of Arts (Liberal Arts)²
 RICHARD ALEXANDER HAREWOOD, Bachelor of Arts (Liberal Arts)
 ELBERT THOMAS HARGIS, Bachelor of Science (Education)
 AMOND MCKINLEY HARLIN, Bachelor of Science (Banking)⁴
 HOWARD WYNES HARMAN, Bachelor of Science (Civil Engineering)
 RUTH MARQUERITE HARMAN, Bachelor of Arts (Liberal Arts)
 HENRY CHARLES HARMELING, Bachelor of Science (Railway Electrical Engineering)³
 FANNIE ROSA HARMON, Bachelor of Arts (Liberal Arts)
 CARL FREDRICK HARMS, Bachelor of Science (Mechanical Engineering)
 CHARLES ATHIEL HARPER, Bachelor of Science (Education)
 DONALD ALTON HARRIS, Bachelor of Science (Civil Engineering)
 EDWIN LUTHER HARRIS, Bachelor of Arts (Liberal Arts)¹
 FRANK CHARLES HARRIS, Bachelor of Science (Landscape Gardening)
 JOHN EDGAR HARRIS, Bachelor of Science (Agricultural Education)²
 GEORGE FREDERICK HARSH, Bachelor of Arts (Liberal Arts)³
 SIEGFRIED PAUL HARTER, Bachelor of Arts (Botany)³
 GEORGE AUGUST HARTONO, Bachelor of Science (General Business)
 ROBERT ALLEN HARVEY, Bachelor of Science (Industrial Administration)
 EDITH HENRIETTA HAUMERSEN, Bachelor of Arts (Liberal Arts)¹
 ROBERT CAREY HAYES, Bachelor of Arts (History)⁵
 DAVID GRAAF HAYLETT, Bachelor of Science (Agriculture)
 EDWARD CORMARAN HAYS, Bachelor of Science (General Business)
 CECIL REEDER HAZEN, Bachelor of Science (Agriculture)
 NATHAN BRUSE HAZEN, Bachelor of Science (Architecture)
 RAYMOND LESTER HEATON, Bachelor of Science (Agriculture)
 OTTO HOFFMANN HEDRICH, Bachelor of Science (Mechanical Engineering)
 RALPH EVERETTE HEDGCOCK, Bachelor of Science (Civil Engineering)
 ARTHUR GUSTAV HEIDEMAN, Bachelor of Arts (Liberal Arts)
 ROBERT MILLE HEINRICH, Bachelor of Science (Mining Engineering)
 VERA MAE HELM, Bachelor of Arts (Home Economics)
 ELVA ALLEN HELMS, Bachelor of Arts (Liberal Arts)
 DONALD EVERETT HENN, Bachelor of Science (Civil Engineering)
 JAMES LEO HENNEBERRY, Bachelor of Science (Mechanical Engineering)
 WILLIAM CARTER HENRY, Bachelor of Science (General Business)
 LEE CONRAD HERWIG, Bachelor of Science (Civil Engineering)¹

¹Degree conferred February 8, 1922.²With honorable mention.³Degree conferred October 20, 1922.⁴Degree conferred August 12, 1922.⁵With high honors.

FRANK RAYMOND HESSER, Bachelor of Science (Accountancy)
 REON DARINS HICKS, Bachelor of Science (Agriculture)
 VIVIAN ELIZABETH HICKS, Bachelor of Arts (Liberal Arts)
 GLENN DEVERE HIGGINSON, Bachelor of Science (Education)¹
 ANITA LUCILE HILL, Bachelor of Arts (Liberal Arts)
 DOROTHY HUNTINGTON HILL, Bachelor of Arts (Liberal Arts)
 RICHARD JACKSON HILL, Bachelor of Science (Foreign Commerce)
 LITA EUGENE HINDMAN, Bachelor of Science (Home Economics)
 DELMAR HERMAN HIRTH, Bachelor of Science (Agriculture)
 HARRY BURTON HOFFMAN, Bachelor of Science (Agriculture)
 JOSEPHINE FRANCES HOFFMAN, Bachelor of Arts (Liberal Arts)²
 LELAND JAMIESON HOGUE, Bachelor of Science (Electrical Engineering)
 LU SCHOLFIELD HOLLER, Bachelor of Science (Agriculture)¹
 THOMAS ELIJAH HOLLINGSHEAD, Bachelor of Science (Chemistry)
 DENZIL MAURICE HOLLINGSWORTH, Bachelor of Science (Civil Engineering)
 CLAUDE ERNEST HOLMES, Bachelor of Science (Agriculture)³
 MILDRED LLENELLA HOLMES, Bachelor of Arts (Liberal Arts)³
 ELIZABETH WARNER HOLT, Bachelor of Arts (Home Economics)
 LESTER HAMPTON HOLT, Bachelor of Science (General Business)
 EARL WILSON HOMAN, Bachelor of Science (Architectural Engineering)
 MARY ANN HOPKINS, Bachelor of Arts (Liberal Arts)
 ROBERT HELSTERN HORNBACK, Bachelor of Science (Electrical Engineering)
 EDWIN ARNO HORNER, Bachelor of Science (Architectural Engineering)
 OTHA INEZ HORNING, Bachelor of Science (Education)⁴
 LEATHA LILLIAN HOUGHTON, Bachelor of Arts (Liberal Arts)
 JOHN CARVER HOWARD, Bachelor of Science (Electrical Engineering)
 CARLESTON GIBSON HOWE, Bachelor of Science (Agriculture)
 ELEANOR HOWE, Bachelor of Science (Home Economics)
 JOHN LLOYD HOWIE, Bachelor of Science (Electrical Engineering)
 KWAFU WEIMAN HSU, Bachelor of Arts (Liberal Arts)
 WELLINGTON SHANG HSU, Bachelor of Science (Agriculture)⁵
 EDWARD LAWRENCE HUBBELL, Bachelor of Science (Architecture)
 ELIZA ALELA HUGGINS, Bachelor of Arts (Home Economics)
 JAMES ROLLAN HUDSON, Bachelor of Science (Agriculture)⁶
 HELEN ELIZABETH HUFF, Bachelor of Science (Landscape Gardening)
 KATHRYN HOWARD HUGHES⁴, Bachelor of Music (Music)³
 GRETCHEN RUTH HULSEBUS, Bachelor of Arts (Liberal Arts)
 DOROTHY KIMBALL HUNT, Bachelor of Arts (Liberal Arts)
 KENNETH LUCAS HUNT, Bachelor of Science (Agriculture)
 LEONARD GARLAND HUNT, Bachelor of Science (Industrial Administration)
 OSCAR LEE HUNTER, Bachelor of Science (Banking)
 HAROLD ALLEN HUNTINGTON, Bachelor of Science (Industrial Education)¹
 ERWIN FRED HURT, Bachelor of Science (General Business)
 ESTHER HUSE, Bachelor of Arts (Liberal Arts)³
 CHES JOSEPH HUXEL, Bachelor of Science (Agriculture)
 CHRISTINE BARBARA HYLAND, Bachelor of Science (Education)
 KENYON ATHLING HYLE, Bachelor of Science (Chemistry)
 AGNES DOROTHY IDE, Bachelor of Arts (Liberal Arts)
 GEORGE HENRY IFTNER, Bachelor of Science (Agriculture)³
 PHILIP AUGUSTIN INGWERSEN, Bachelor of Science (Agriculture)
 ELMER SIMMONS JACK, Bachelor of Science (Agriculture)
 JOHN MARSHALL JACK, Bachelor of Science (Civil Engineering)
 DAVID NEWTON JAMISON, Bachelor of Arts (Liberal Arts)
 FORREST HARMON JENNINGS, Bachelor of Science (Landscape Gardening)
 MORRIS HOWARD JOFFE, Bachelor of Science (Chemical Engineering)
 HAROLD BYRON JOHNS, Bachelor of Science (Chemical Engineering)
 HANS CHRISTIAN JOHNSON, Bachelor of Science (Civil Engineering)
 EDGAR JEROME JOHNSON, Bachelor of Science (Foreign Commerce)¹
 ELMER ALBERT JOHNSON, Bachelor of Science (Civil Engineering)
 EVELYN CHARLOTTE BRIETIE JOHNSON, Bachelor of Arts (Liberal Arts)
 FLORENCE IDA JOHNSON, Bachelor of Arts (Liberal Arts)
 HJALMAR WILLIAM JOHNSON, Bachelor of Science (Mining Engineering)
 KATHERINE HELENA JOHNSON, Bachelor of Arts (Liberal Arts)
 OTTIS FLOYD JOHNSON, Bachelor of Science (Architecture)
 RUSSELL HAROLD JOHNSON, Bachelor of Science (Education)
 WARREN HOFF JOHNSON, Bachelor of Science (Floriculture)
 CLARENCE LEE JOHNSTON, Bachelor of Science (Agriculture)
 HAZEN HENRY JOHNSTON, Bachelor of Science (Commercial and Civic Secretaries)³
 ROBERT JORDAN JOHNSTON, Bachelor of Science (Agriculture)
 CARL DELMAR JONES, Bachelor of Science (Agriculture)
 MARY EMILY JONES, Bachelor of Arts (Liberal Arts)
 MAURICE LEIGH JONES, Bachelor of Arts (Liberal Arts)
 RALPH COUGHENOUR JONES, Bachelor of Science (General Business)
 VIVIAN MYFANWY JONES, Bachelor of Science (Liberal Arts)
 WALTER SPENCER JONES, Bachelor of Science (Mechanical Engineering)
 BYRON HENRY JORDAN, Bachelor of Science (General Business)
 GLENN HOWE JOSEPH, Bachelor of Science (Chemical Engineering)
 JAMES EDWARD JUDSON, Bachelor of Science (Agricultural Education)
 VIOLA ELIZABETH JUDY, Bachelor of Arts (Liberal Arts)
 JOHN CLAUDIUS KADYK, Bachelor of Science (General Business)

¹Degree conferred February 8, 1922.²With honorable mention.³Degree conferred October 20, 1922.⁴Degree conferred August 12, 1922.⁵With thesis.

LEIGH MONROE KAGY, Bachelor of Arts (Liberal Arts)¹
 JAMES GEORGE KALLAS, Bachelor of Science (Agriculture)²
 STANLEY LEWIS KAUFMAN, Bachelor of Arts (Liberal Arts)
 GEORGE ERNEST KELLER, Bachelor of Science (Chemical Engineering)
 FANNIE KELLEY, Bachelor of Arts (Liberal Arts)¹
 JOSEPH SHERMAN KELLEY, Bachelor of Science (General Business)
 ELAINE JOSEPHINE KELLOGG, Bachelor of Arts (Liberal Arts)
 KATHARINE KEMP, Bachelor of Science (Education)
 HENRY FLETCHER KENNEY, Bachelor of Science (Landscape Gardening)
 RUSSEL MARION KERCHNER, Bachelor of Science (Electrical Engineering)
 DOROTHEA ESTELL KERN, Bachelor of Science (Landscape Gardening)
 ARTHUR DAVID KERNS, Bachelor of Science (Electrical Engineering)
 JOSEPH ARTHUR KERRINE, Bachelor of Science (Accountancy)
 GLENWOOD HAIGH KERSHAW, Bachelor of Science (Industrial Administration)
 FLORENCE ADA KIMMELSHUE, Bachelor of Arts (Home Economics)³
 AMEDA RUTH KING, Bachelor of Arts (Liberal Arts)
 LEO FRANCIS KING, Bachelor of Science (Foreign Commerce)
 NELLIE ALMEDA KIRBY, Bachelor of Arts (Liberal Arts)⁴
 ELSIE VIRGINIA KIRKPATRICK, Bachelor of Arts (Liberal Arts)
 STANLEY BILLINGS KITCH, Bachelor of Science (Mechanical Engineering)
 WILLIAM OTTO KLAPROTH, Bachelor of Science (Railway Electrical Engineering)
 DELMAR CHARLES HENRY KLENZE, Bachelor of Science (Accountancy)
 LAURENCE EVERETTE KLINE, Bachelor of Science (Foreign Commerce)
 WILLIAM JOSEPH KLINGBERG, Bachelor of Science (Mechanical Engineering)
 EUNICE ESTHER KLOTZSCHE, Bachelor of Arts (Home Economics)
 BENJAMIN MORRIS KLOWDEN, Bachelor of Science (Civil Engineering)
 HARLEY LILLARD KNAUER, Bachelor of Science (Chemical Engineering)
 CHARLES MAYARD KNEIER, Bachelor of Arts (Liberal Arts)¹
 HUBERT WILLARD KNIGHT, Bachelor of Science (Electrical Engineering)
 ELMER CORNELIUS KOCH, Bachelor of Science (General Business)⁴
 OSCAR HENRY KOEHLER, Bachelor of Science (Electrical Engineering)²
 THEODORE GEORGE KOERNER, JR., Bachelor of Science (General Business)
 STELLA MELITA KOHN, Bachelor of Arts (Liberal Arts)
 ELSA EMILY KOUPAL, Bachelor of Arts (Liberal Arts)
 HELEN MARIE KOUPAL, Bachelor of Arts (Liberal Arts)
 ANNA LORRAINE KRAFT, Bachelor of Arts (Liberal Arts)
 ELMER GEORGE KRAUSE, Bachelor of Science (Electrical Engineering)
 CLARENCE MARTIN KRETCHMER, Bachelor of Science (General Business)
 GERALD AUGUST KRUEGER, Bachelor of Science (Agriculture)
 FRANCES BERTHA KUNT, Bachelor of Arts (Liberal Arts)
 GEORGE ANTON LAADT, Bachelor of Arts (Liberal Arts)
 THOMAS WHEELER LAFFERTY, Bachelor of Science (Agriculture)³
 IRWIN THEODORE LANDHY, Bachelor of Science (Electrical Engineering)
 THYGE OTTO LARSEN, Bachelor of Science (Civil Engineering)
 ETTA LILLIAN LARSON, Bachelor of Science (General Business)
 CLARENCE ROY LASH, Bachelor of Science (Agriculture)
 JOHN SHERMAN LATHEROP, Bachelor of Science (Ceramic Engineering)
 CARL RODO LATOWSKY, Bachelor of Science (Foreign Commerce)
 JAMES ROLLIN LAWRENCE, Bachelor of Arts (Liberal Arts)
 NOBBERT EDWARD LAWRENCE, Bachelor of Science (General Business)
 WILBUR ARTHUR LAZIER, Bachelor of Science (Chemistry)
 EDGAR SHELBY LEACH, Bachelor of Arts (Liberal Arts, Mathematics)⁵
 WILLIAM ANDREW LEARY, Bachelor of Science (General Business)
 MAURICE LEBOSQUET, JR., Bachelor of Science (Municipal and Sanitary Engineering)
 EUGENE DOUGLAS LEBOWICH, Bachelor of Science (General Business)
 ALFRED ERWIN LEE, Bachelor of Science (General Business)⁴
 JACK LEE, Bachelor of Science (General Business)
 JOHN PROCTOR LEE, Bachelor of Science (Agriculture)³
 WINSTON BRYAN LEEDS, Bachelor of Arts (Liberal Arts)
 MASON STARRING LEEMING, Bachelor of Science (Railway Electrical Engineering)
 LEONA LEMAY, Bachelor of Science (Education)
 EDWARD HUGH LENANE, Bachelor of Science (Mechanical Engineering)
 LEO FRANCIS LENTZ, Bachelor of Science (Agriculture)
 EDWARD PATRICK LEONARD, Bachelor of Arts (Liberal Arts)
 RALPH FREDERICK LESEMAN, Bachelor of Arts (Liberal Arts)¹
 HENRY KAY LEVY, Bachelor of Science (Electrical Engineering)
 DANA MENDAL LEWIS, Bachelor of Science (Agriculture)
 ETHEL MARQUERITE LEWIS, Bachelor of Arts (Liberal Arts)
 HENRIETTA PAULINE LEWIS, Bachelor of Arts (Liberal Arts)
 SKEO-HEN LI, Bachelor of Science (Chemical Engineering)
 SAMUEL BENJAMIN LIEB, Bachelor of Science (Chemical Engineering)
 WILLIAM LINCOLN, Bachelor of Science (General Business)²
 THORA HELEN LINDBERG, Bachelor of Science (Home Economics Education)
 BERTRAND HOLLOWELL LINDLEY, Bachelor of Arts (Liberal Arts), Bachelor of Science (Mining Engineering)
 ADRIAN HERVE LINDSEY, Bachelor of Science (Agriculture)
 SHU-MONG LING, Bachelor of Science (General Business)
 MADGE LINKE, Bachelor of Arts (Home Economics)
 MARY NINAS LITTLE, Bachelor of Arts (Liberal Arts)
 ROBERT EDWIN LITTMANN, Bachelor of Science (Chemistry)⁴
 OGDEN LIVERMORE, Bachelor of Science (Chemical Engineering)

¹With high honors.²Degree conferred August 12, 1922.³Degree conferred February 8, 1922.⁴Degree conferred October 20, 1922.⁵With honorable mention.

HARVEY LAURENCE LONG, Bachelor of Arts (Liberal Arts)
 BELLE LONGBONS, Bachelor of Music (Music)¹
 ELIZABETH LONGBONS, Bachelor of Science (Liberal Arts)
 LA CARI LONGENOTTI, Bachelor of Science (General Business)
 REBA ETNA LONGMAN, Bachelor of Science (Home Economics)
 OLIVER KING LOOMIS, Bachelor of Science (Agriculture)
 JOHN JOSEPH LOVE, Bachelor of Science (Electrical Engineering)
 ALEXANDER WATT THOMPSON LOVELESS, Bachelor of Science (Chemical Engineering)²
 MARIE ELISE LOWELL, Bachelor of Arts (Liberal Arts)²
 HELEN HALL LOWES, Bachelor of Science (Agriculture)
 ROY E. LOWRANCE, Bachelor of Science (Ceramic Engineering)
 SAMUEL SIDNEY LUBELSKY, Bachelor of Science (Mining Engineering)
 ALLENE LYLE, Bachelor of Arts (Liberal Arts)²
 BERNARD ANTHONY LYMAN, Bachelor of Science (General Business)
 FLORENCE MAY LYTLE, Bachelor of Science (General Business)
 FRANKLIN ADAMS MCCANN, Bachelor of Arts (Liberal Arts)
 ILLINOIS MCCASKILL, Bachelor of Arts (Home Economics)
 RALPH LESTER MCCLELLAND, Bachelor of Science (Industrial Administration)²
 EUGENE MILLER MCCOLM, Bachelor of Science (Chemical Engineering)
 LESLIE IRA MCCORD, Bachelor of Science (General Business)
 LOIS HALL MCCORD, Bachelor of Arts (Liberal Arts)
 KENNETH TILTON MCCORMICK, Bachelor of Science (Chemical Engineering)
 MILDRED ELIZABETH MCCORMICK, Bachelor of Arts (Liberal Arts)
 ROBERT SUDDUTH MCCORMICK, Bachelor of Science (Agriculture)
 BETTIE McDONALD, Bachelor of Arts (Liberal Arts)
 JAMES JOSEPH McDONALD, Bachelor of Science (Electrical Engineering)
 ELLA MOORE McDUGALL, Bachelor of Science (Landscape Gardening)
 HOMER IRVING MCELDOWNEY, Bachelor of Science (General Business)
 CECIL RAY MCEWEN, Bachelor of Science (Railway Mechanical Engineering)
 CHARLES LEE MCFARLAND, Bachelor of Science (Agriculture)²
 DONALD CASTLE MCGINNIS, Bachelor of Science (General Business)
 GORDON FISKE MCGINNIS, Bachelor of Arts (Liberal Arts)¹
 THOMAS MCKEEVER, Bachelor of Science (General Business)
 LAURA MCKINLEY, Bachelor of Arts (Liberal Arts)²
 IRA A. MCKINNEY, Bachelor of Music (Music)⁴
 ELIZABETH BENNETT MCKINSTRY, Bachelor of Arts (Liberal Arts)
 WILLIAM DOUGLAS McLAIN, Bachelor of Science (Insurance)
 ALFRED DEWEY McLARTY, Bachelor of Arts (Liberal Arts)
 ALICE EDNA McLEAN, Bachelor of Arts (Home Economics)
 HAYWARD THOMAS McMURRAY, Bachelor of Science (Agriculture)
 HAROLD GEORGE MCQUEEN, Bachelor of Science (Architecture)
 JAMES WEAR MACDONALD, Bachelor of Science (Mechanical Engineering)
 JEROME ELLIS MACHAMER, Bachelor of Science (Mining Engineering)
 HOWARD H. MAIN, Bachelor of Science (Civil Engineering)
 FRANK GEORGE MAKEPEACE, Bachelor of Science (Agriculture)
 JOHN DANIEL MALACKI, Bachelor of Science (Chemical Engineering)¹
 ROBERT JOSEPH MALCOMSON, Bachelor of Science (Railway Electrical Engineering)
 JOHN BERNARD MALLERS, III, Bachelor of Arts (Liberal Arts)²
 DAYLE G. MALONE, Bachelor of Science (Mechanical Engineering)¹
 MARY FIDELIA MANN, Bachelor of Arts (Home Economics)
 WILLIAM LINCOLN MANNY, Bachelor of Science (Mechanical Engineering)
 RUSSELL MANSFIELD, Bachelor of Science (Industrial Administration)
 MARIA CONCEPCION MARAMBA, Bachelor of Science (Home Economics)²
 AVA EUGENIA MARTIN, Bachelor of Arts (Home Economics)
 EVERETT KIRBY MARTIN, Bachelor of Science (General Business)
 MILFORD MAURICE MARTIN, Bachelor of Science (Civil Engineering)
 WILLIAM FORMAN MARSHALL, Bachelor of Science (Agriculture)
 ELMER WILLIAM MARX, Bachelor of Science (Architecture)²
 MILTON REUBEN MARX, Bachelor of Science (Landscape Gardening)
 DAVID HOWARD MASON, Bachelor of Science (Electrical Engineering)
 WALLACE BRUCE MATHEWS, Bachelor of Science (Mechanical Engineering)
 HELEN MATTHEW, Bachelor of Science (Home Economics)
 DOUGLAS IRVING MAXWELL, Bachelor of Science (Chemical Engineering)
 MYERS MATKIN MAYBERRY, Bachelor of Science (Mechanical Engineering)
 HERBERT BROWN MEGHAN, Bachelor of Arts (Liberal Arts)²
 WILLIAM KARL MEIER, Bachelor of Science (Agriculture)
 ARNOLD MENAKER, Bachelor of Science (Chemical Engineering)
 SHANNON MERIWETHER, Bachelor of Science (Architecture)
 RUSSELL ALBERT MERZ, Bachelor of Science (Mining Engineering)
 EARLE PHILIP MESSINGER, Bachelor of Science (Mechanical Engineering)²
 FREDERIC THEODORE MEWES, Bachelor of Science (Civil Engineering)
 CLARENCE CHARLES MEYER, Bachelor of Science (Agriculture)
 ALBERT THOMAS MIGHELL, Bachelor of Science (Agriculture)
 KATHERINE FAY MILLER, Bachelor of Arts (Liberal Arts)
 LOUIS JOSEPH MILLER, Bachelor of Science (Civil Engineering)
 MAUD MARIE MILLER, Bachelor of Arts (Home Economics)
 OLIVER DAVID MILLER, Bachelor of Science (Agriculture)
 WILLIAM JOSEPH MILLER, Bachelor of Science (Agriculture)¹
 ROBERT EDWARD MILLIGAN, Bachelor of Science (Chemical Engineering)²
 ALFRED LEROY MILLSOM, Bachelor of Arts (Liberal Arts)
 LOUISE ELEENE MINNIS, Bachelor of Arts (Liberal Arts)

¹Degree conferred February 8, 1922.²Degree conferred August 12, 1922.³Degree conferred October 20, 1922.⁴With thesis.

DALE JOHNSON MISSIMER, Bachelor of Science (Mechanical Engineering)
 DANIEL PALMER MITCHELL, Bachelor of Science (Education)
 LEON MITELMAN, Bachelor of Science (Mechanical Engineering)
 WARREN MOFFET, Bachelor of Science (Agriculture)¹
 EDGAR HERBERT MOHAN, Bachelor of Arts (Liberal Arts)
 DONALD AUSTIN MONROE, Bachelor of Science (Mechanical Engineering)
 RUTH ANN MONTGOMERY, Bachelor of Arts (Liberal Arts)
 ARTHUR MOSHER MONTZHEIMER, Bachelor of Science (Chemical Engineering)
 CLARENCE MASON MOORE, Bachelor of Science (Agriculture)
 LAURA ANN MOORE, Bachelor of Science (Home Economics)
 ROBERT FRANCK MOORE, Bachelor of Science (Civil Engineering)
 GRACE VAN DYKE MORE, Bachelor of Music (Music)²
 GEORGE NEWELL MORGAN, Bachelor of Science (Floriculture)
 IRVING BANCROFT MORGAN, Bachelor of Science (Chemical Engineering)
 IVA ELIZABETH MORGAN, Bachelor of Arts (Liberal Arts)
 JUANITA MORGAN, Bachelor of Arts (Liberal Arts)
 MURIEL MORGAN, Bachelor of Arts (Liberal Arts)³
 CLAY ALEXANDER MORRISON, Bachelor of Science (Agriculture)⁴
 ROSALIE BARBARA MOSER, Bachelor of Arts (Liberal Arts)
 HELEN ADRIENNE MOUNT, Bachelor of Arts (Liberal Arts)
 CLEMA GRACE MOYER, Bachelor of Science (Education)¹
 MINNIE LORENA MULBERRY, Bachelor of Science (General Business)
 WINIFRED GRACE MUNGER, Bachelor of Arts (Liberal Arts)¹
 ARTHUR ROWAN MURPHY, Bachelor of Science (Chemical Engineering)
 BERT KENNETH MURPHY, Bachelor of Science (General Business)¹
 MILDRED TRAVIS MURPHY, Bachelor of Arts (Liberal Arts)
 DONALD BRUCE MURRAY, Bachelor of Science (General Business)
 MARTHA LUCY MURRAY, Bachelor of Arts (Liberal Arts)
 EDWIN LOWELL MYERS, Bachelor of Science (Education)
 HAROLD BAIN MYERS, Bachelor of Science (Accountancy)
 KENNETH HAYES MYERS, Bachelor of Science (Agriculture)
 PERRY IRA NAGLE, Bachelor of Science (Mechanical Engineering)
 LEROY J. NATIONS, Bachelor of Arts (Liberal Arts)³
 FRANK USHER NAUGHTON, JR., Bachelor of Science (Agriculture)
 RALPH EDMOND NAYLOR, Bachelor of Science (Civil Engineering)
 ALFRED ALLEN NEEDHAM, Bachelor of Science (Agriculture)
 LOWELL QUIGGLE NEEDLER, Bachelor of Science (General Business)
 SCOTT ROBERTSON NEGLY, Bachelor of Science (Electrical Engineering)
 WANDALINE ELIZABETH NEISWANGER, Bachelor of Arts (Liberal Arts)
 ANTHONY EDWIN NELSON, Bachelor of Science (Mechanical Engineering)⁴
 EARL LOYAL NELSON, Bachelor of Science (Electrical Engineering)
 EMIL CHARLES NEMITZ, Bachelor of Science (Chemical Engineering)
 JOHN HUBERT NETH, Bachelor of Science (Industrial Administration)¹
 RALPH MORLAN NETZ, Bachelor of Arts (General Business)
 MAYBEN PROCTOR NEWBY, Bachelor of Science (General Business)
 CLARENCE WILLIAM NEWMAN, Bachelor of Arts (Liberal Arts)
 HOWARD EUGENE NEWMAN, Bachelor of Science (General Business)¹
 WILLARD LESLIE NEWPORT, Bachelor of Science (Agriculture)
 FRANK WILSON NEWTON, Bachelor of Science (Agriculture)
 LILLIE MAE NEWTON, Bachelor of Science (General Business)
 WILMOT EDWIN NIEMANN, Bachelor of Science (Electrical Engineering)
 ESTHER INEZ NICHOLAS, Bachelor of Science (Home Economics)
 INA PEARL NICHOLS, Bachelor of Science (Home Economics)
 ANN ELEANOR NILSON, Bachelor of Arts (Liberal Arts)
 ARATA LEO NITTA, Bachelor of Science (Chemistry)
 WALTER LOUIS NOBILING, Bachelor of Science (Agriculture)
 WILLIAM LINCOLN NOELLE, Bachelor of Science (General Business)¹
 CLARENCE MAX NOETHLING, Bachelor of Science (Railway Civil Engineering)
 CHARLES WILLIAM NOFINGER, Bachelor of Science (Mechanical Engineering)
 MAURICE LELAND NORDGREN, Bachelor of Science (Electrical Engineering)
 MARGARET ANGELINE NORMAN, Bachelor of Science (Education)⁴
 FRANCIS BERNE NORTON, Bachelor of Science (Agricultural Education)
 MANC CARPENTER NORTON, Bachelor of Science (Banking)
 MAURICE PALL NOVAK, Bachelor of Science (Chemical Engineering)
 GEORGE ALBERT NOXON, Bachelor of Science (Industrial Administration)¹
 WALTER HERMAN NUTTALL, Bachelor of Science (Agriculture)
 ROGER RUSSEL O'CONNOR, Bachelor of Science (Electrical Engineering)
 FRANK HARLEY O'DONNELL, Bachelor of Arts (Liberal Arts)
 MARY CAROLINA O'KEY, Bachelor of Science (Agriculture)¹
 MILTON MARTIN OLANDER, Bachelor of Science (Civil Engineering)
 IRMA EUNICE OLSON, Bachelor of Arts (Liberal Arts)
 VERNER BYLOW OLSON, Bachelor of Science (Civil Engineering)
 ROSE JOSEPHINE OLTUSKY, Bachelor of Arts (Liberal Arts)
 WILLARD CARLTON OPPENHEIM, Bachelor of Science (General Business)
 HAROLD MARION OSBORNE, Bachelor of Science (Agriculture)
 ARTHUR BOWEN PALMER, Bachelor of Science (Civil Engineering)¹
 GRACE RHODES PALMER, Bachelor of Arts (Home Economics)
 MARGARET WILBANK PALMER, Bachelor of Arts (Liberal Arts)
 CHIA YUAN PAN, Bachelor of Science (Agricultural)⁴
 GRIFFITH HILTON PARKER, Bachelor of Arts (Liberal Arts)

¹Degree conferred February 8, 1922.²With thesis.³With honorable mention.⁴Degree conferred October 20, 1922.⁵Degree conferred August 12, 1922.

JOHN HOUSTON PARKER, Bachelor of Science (Mechanical Engineering)
 ETHEL MORTON PARKINSON, Bachelor of Arts (English)¹
 LUCILLE PARR, Bachelor of Arts (Liberal Arts)
 RUTH PARBERT, Bachelor of Science (Home Economics)
 MARY WILKIE PARSONS, Bachelor of Arts (Liberal Science)
 WILBUR ARTHUR PARTRIDGE, Bachelor of Science (Agricultural Education)
 THOMAS PASTERNAK, Bachelor of Science (Liberal Arts)
 BERNICE AMBER PATTERSON, Bachelor of Arts (Liberal Arts)
 BUTTEN BRUCE PATTERSON, Bachelor of Science (General Business)²
 JENNIE MAE PATTON, Bachelor of Arts (Home Economics)
 JOSEPH ROBINSON PATTON, JR., Bachelor of Science (Industrial Administration)
 LEIGH NEWSON PATTON, Bachelor of Science (Agriculture)
 MAURINE PAYNE, Bachelor of Arts (Liberal Arts)
 MARGARET CATHRYN PEARCE, Bachelor of Arts (Zoology)¹
 RUTH SARA PEARCE, Bachelor of Arts (Liberal Arts)
 CORRINE ROSAMOND PEARSON, Bachelor of Science (Liberal Arts)¹
 GRACE PEARSON, Bachelor of Arts (Liberal Arts)
 IRVING FREDERICK PEARSON, Bachelor of Science (Education)
 HELEN MEYER PENCE, Bachelor of Science (Education)²
 ESTHER MARJORIE PERKINS, Bachelor of Arts (Liberal Arts)
 WAYNE EMERSON PERKINS, Bachelor of Science (General Business)
 ALMA STARR PERROTT², Bachelor of Music (Music)⁴
 MAURICE WINFIELD PETERSON, Bachelor of Science (Education)²
 RUTH MABEL PETERSON, Bachelor of Science (Home Economics)
 HELEN VIRGINIA PICKNELL, Bachelor of Arts (Liberal Arts)
 GORDON GREENE PIERSON, Bachelor of Arts (Liberal Arts)²
 BENITO ARCADIO PIIT, Bachelor of Science (Civil Engineering)
 WILBUR FRANCIS PILORIM, Bachelor of Science (General Business)
 ALBERT JOHN PIRIE, Bachelor of Science (General Business)
 EUGENE MARCEL POIROT, Bachelor of Science (Agriculture)
 ROBERT LYNN POLLARD, Bachelor of Science (Electrical Engineering)
 BARBARA LOUISE PORTER, Bachelor of Science (Agriculture)
 HORATIO ALLINGHAM PORTER, Bachelor of Science (General Business)
 JESSE CARTLEGGE PORTER, Bachelor of Science (Electrical Engineering)
 DOROTHY BUCKMAN POTTER, Bachelor of Arts (Liberal Arts)
 FRANCIS MORRELL POTTS, Bachelor of Science (Foreign Commerce)
 WELDON POWELL, Bachelor of Science (Accountancy)
 WILLIAM JENIFER POWELL, Bachelor of Science (Electrical Engineering)
 RAY LYMAN POWERS, Bachelor of Science (General Business)²
 MERVLE EDITH PRATT, Bachelor of Arts (Liberal Arts)
 WALTER BRYAN PRESTON, Bachelor of Arts (Liberal Arts)
 GEORGE PREUCIL, Bachelor of Science (General Business)
 GALEN ROYER PRICE, Bachelor of Science (Education)²
 HETTIE JUSTINE PRITCHARD, Bachelor of Arts (Liberal Arts)
 CHARLES HERBERT FRUIT, Bachelor of Science (Education)
 RUTHFORD KEITH PURL, Bachelor of Science (Education)
 WALDO EMERSON PURSELL, Bachelor of Science (Accountancy)
 LLOYD JAMES QUAD, Bachelor of Science (Electrical Engineering)
 JOSEPHINE CECILIA QUINLAN, Bachelor of Arts (Liberal Arts)²
 DAVID HENRY RABINOWITZ, Bachelor of Science (General Business)
 STEPHEN JOHN RADTKE, Bachelor of Arts (Liberal Arts)²
 AGNES MARIE RAHN, Bachelor of Science (Home Economics)
 EDWIN JOHN RAICH, Bachelor of Science (Civil Engineering)
 JOHN CALDWELL RALSTON, JR., Bachelor of Science (Agriculture)
 CHARLES ETHELBURT RANDOLPH, Bachelor of Science (Agriculture)⁴
 HARLEY LESTER RANKIN, Bachelor of Science (Industrial Administration)
 JOHN NELSON RARICK, Bachelor of Science (Agriculture)
 HERBERT LEOPOLD RAUCH, Bachelor of Science (Mining Engineering)
 CLYDE WILLIAM READING, Bachelor of Science (Industrial Administration)
 ALFRED FRED HENRY REBBE, Bachelor of Science (Industrial Education)
 GORDON WIES REED, Bachelor of Science (Mechanical Engineering)
 WILLIAM ROBERT REICH, Bachelor of Science (Chemistry)
 GEORGE WALKER REID, Bachelor of Arts (Liberal Arts)
 LEONARD JOSEPH REIS, Bachelor of Science (Architectural Engineering)²
 GEORGE DEWEY REYNERTSON, Bachelor of Science (Architectural Engineering)²
 FRED BARNES REYNOLDS, Bachelor of Science (Liberal Arts)
 RUTH MARY RHOADES, Bachelor of Arts (Liberal Arts)
 BARNETT RAYMOND RICHARDSON, Bachelor of Science (Mechanical Engineering)
 JAMES HOLLINS RICHARDSON, Bachelor of Science (Civil Engineering)
 EDITH E. RIEGAL, Bachelor of Arts (Home Economics)
 DOROTHY SUSAN RIPLEY, Bachelor of Science (General Business)
 CLYDE NORTH ROBINSON, Bachelor of Science (Electrical Engineering)
 HOBART CLAY ROBINSON, Bachelor of Science (Agriculture)
 ROY MUDGE ROBINSON, Bachelor of Science (Liberal Arts)
 LAWRENCE MARTIN ROBROCK, Bachelor of Science (Liberal Arts)²
 MILDRED NEENA ROCK, Bachelor of Science (Home Economics)
 ESTHER FRIEDA RODE, Bachelor of Science (Home Economics)
 WILLIAM HENRY RODGERS, Bachelor of Science (Electrical Engineering)
 OTTE JOHN ROGGE, Bachelor of Arts (Political Science)¹
 RAY HAROLD ROLL, Bachelor of Science (Agriculture)

¹With high honors.

²Degree conferred August 12, 1922.

³Degree conferred October 20, 1922.

⁴With thesis.

⁵Degree conferred February 8, 1922.

LIEUELLEN DEWRIGHT ROMIG, Bachelor of Science (Industrial Administration)
 FRANCIS SPRING RONALDS, Bachelor of Arts (History)¹
 CHARLES IMSE ROSE, Bachelor of Science (Chemical Engineering)
 ALEXANDER ROSENBERG, Bachelor of Arts (Liberal Arts)
 HAROLD DOUGLAS ROSENDALE, Bachelor of Science (Mechanical Engineering)
 FILLER FRANCIS ROSS, Bachelor of Science (Chemical Engineering)
 LLOYD MELVIN ROVELSTAD, Bachelor of Science (General Business)
 PAUL ROWATT, Bachelor of Science (Accountancy)
 SARAT KUMAR ROY, Bachelor of Arts (Liberal Arts)
 HERBERT ALFRED RUHL, Bachelor of Science (General Business)
 HARRIET EVELYN RUMSEY, Bachelor of Arts (Liberal Arts)
 HARRIET MARGARET RUSH, Bachelor of Arts (Liberal Arts)²
 HELEN MARY RUSSELL, Bachelor of Arts (Liberal Arts)
 WILLIAM BRADFORD RUSSELL, Bachelor of Science (Mechanical Engineering)
 LOTIS ERNEST RUST, Bachelor of Science (Agriculture)
 ENO CLOPTON RUTLEDGE, Bachelor of Arts (Liberal Arts)³
 LILLIAN MAE RUTZICKA, Bachelor of Science (Commercial and Civic Secretaries)
 CLARENCE WALTER RYAN, Bachelor of Science (Agriculture)
 FLORENCE RYBURN, Bachelor of Arts (Liberal Arts)⁴
 EARL RYDER, Bachelor of Science (Liberal Arts)⁴
 JOHN PHILIP SATO, Jr., Bachelor of Science (Education)
 FRED WARD SACKETT, Bachelor of Science (Chemistry)
 MARY KATHERINE SAFFORD, Bachelor of Arts (Liberal Arts)⁴
 GLADYS ELIZABETH SAGER, Bachelor of Arts (Home Economics)
 LORANE ADELAID SAMMONS, Bachelor of Arts (Liberal Arts)
 AZEL LABON RALPH SANDERS, Bachelor of Science (Civil Engineering)
 PAUL THOMAS SANDERS, Bachelor of Science (Agriculture)
 FRANK HENRY SANDHOLM, Bachelor of Science (General Business)²
 ELEANOR ELIZABETH SANDUSKY, Bachelor of Arts (Home Economics)
 CLARENCE EDWARD SCANLAN, Bachelor of Science (General Business)
 FRANK ALFRED ELMER SCHARFENBERG, Bachelor of Science (General Business)
 KARL JULIUS ROBERT SCHARFENBERG, Bachelor of Science (General Business)
 FREDERICK WEIENNETT SCHAUB, Bachelor of Arts (Liberal Arts)
 RALPH MORRING SCHEDEL, Bachelor of Science (Education)²
 FRED WILLIAM SCHEINEMAN, Bachelor of Science (Civil Engineering)
 BENJAMIN SCHENKER, Bachelor of Science (Mechanical Engineering)
 HERBERT EUGENE SCHIMMEL, Bachelor of Science (General Business)
 FRED HENRY SCHLAPPRIZZI, Bachelor of Science (Accountancy)
 GEORGE WILLIAM SCHLUTTIUS, Bachelor of Science (Architectural Engineering)
 RICHARD WAGNER SCHMIDT, Bachelor of Science (Civil Engineering)
 EARL FREDERICK SCHOENING, Bachelor of Science (Commerce and Law)
 LUCILE KATHLEEN SCHROEDER, Bachelor of Arts (Liberal Arts)
 IRENE KATHERINE SCHUJAHN, Bachelor of Arts (Liberal Arts)¹
 ADRA LILYAN SCHUTT², Bachelor of Music⁵
 EDWARD CHARLES SCHWEITZER, Jr., Bachelor of Science (Industrial Administration)
 JOHN QUINTON SCOTT, Bachelor of Science (Agriculture)
 MARVIN JOSEPH SCOTT, Bachelor of Science (General Business)
 ROBERT ASHMORE SCOTT, Bachelor of Science (Agriculture)⁴
 WELLINGTON WHITAKER SCOTT, Bachelor of Science (General Business)
 MARGARET DENTON SEARS, Bachelor of Science (Landscape Gardening)
 INA SECOR, Bachelor of Arts (Liberal Arts)
 LESTER SEELIG, Bachelor of Science (Mechanical Engineering)
 WILLIAM JOSEPH SEIDENSTICKER, Bachelor of Science (Chemistry)²
 MARY SERIGHT, Bachelor of Arts (Liberal Arts)
 CHAMPAKLAL CHUNILAL SHAK, Bachelor of Science (Chemistry)
 LEO SHAPIRO, Bachelor of Science (Electrical Engineering)
 RALPH PETERSON SHAPLEY, Bachelor of Science (Agriculture)²
 BENJAMIN THOMAS SHAW, Bachelor of Science (Electrical Engineering)⁴
 EDITH SHAW, Bachelor of Science (Education)
 RUTH SHIRLEY, Bachelor of Arts (Liberal Arts)¹
 JEAN SHIVELEY, Bachelor of Arts (Home Economics)²
 ARNOLD CHENEY SHOOP, Bachelor of Science (General Business)²
 MARY AGNES SHOWALTER, Bachelor of Arts (Liberal Arts)¹
 AUDREY MARY SHUEY, Bachelor of Arts (Liberal Arts)
 HELEN MAUD SHULTZ, Bachelor of Arts (Home Economics)
 GEORGE MELLIN SIEMENS, Jr., Bachelor of Science (General Business)²
 ALLEN ANDROSE SIMMONS, Bachelor of Science (General Business)
 ALFRED DELOS SINDEN, Bachelor of Science (Mechanical Engineering)
 EDITH ELIZABETH SKEMP, Bachelor of Arts (Liberal Arts)⁶
 JAMES EDWARD SKIDMORE, Bachelor of Science (Agriculture)
 EARL WILLIAM SKILES, Bachelor of Science (General Business)
 LEROY EVART SLAGHT, Bachelor of Science (Industrial Administration)²
 DAVID CARLTON SLAGLE, Bachelor of Science (Liberal Arts)
 RALPH GARDNER SLATER, Bachelor of Science (Agriculture)
 HARVEY LEROY SLAUGHTER, Bachelor of Science (General Business)
 ARTHUR WILLIAM SLOAN, Bachelor of Science (Chemistry)
 AGNES ESTHER SMALLEY, Bachelor of Arts (Liberal Arts)
 RICHARD SMEJKAL, Bachelor of Science (Industrial Administration)
 CHARLES CAMPBELL SMITH, Bachelor of Arts (Liberal Arts)

¹With honorable mention.

²Degree conferred August 12, 1922.

³Degree conferred October 20, 1922.

⁴Degree conferred February 8, 1922.

⁵With thesis.

⁶With high honors.

CHARLES COBB SMITH, Bachelor of Science (Electrical Engineering)
 DOROTHY MARGARET SMITH, Bachelor of Arts (Liberal Arts)
 ELEANOR SMITH, Bachelor of Arts (Liberal Arts)
 ELSIE WEBB SMITH, Bachelor of Arts (Mathematics)¹
 JAMES REMINGTON SMITH, Bachelor of Science (Chemistry)
 LAWRENCE DEVERE SMITH, Bachelor of Science (General Business)²
 MARJORIE LOIS SMITH, Bachelor of Science (Banking)
 MAYBELLE PRITCHARD SMITH, Bachelor of Arts (Liberal Arts)
 RUTH HARRIET SMITH, Bachelor of Science (General Business)
 STUTVEGANT CHATTERIS SMITH, Bachelor of Science (Industrial Administration)
 JOHN LELAND SMYBOR, Bachelor of Science (Agriculture)
 MYRON ALONZO SNELL, Bachelor of Science (Chemistry)
 EDWARD OLIVER SOUTHARD, Bachelor of Science (Foreign Commerce)
 HERBERT TAGGART SOWERS, Bachelor of Arts (Liberal Arts)
 WILLIAM KENNETH SPENCE, Bachelor of Science (Mechanical Engineering)
 GRACE GREENWOOD SPENCER, Bachelor of Science (Chemical Engineering)
 MABEL AGNES SPENCER, Bachelor of Arts (Liberal Arts)
 RALPH FARADAY SPICER, Bachelor of Science (Architectural Engineering)
 GEORGE SEARLES SPILVER, Bachelor of Science (Liberal Arts)
 LEO SPIRA, Bachelor of Arts (Liberal Arts)
 ALICE CORNELIA SPRAGUE, Bachelor of Science (Home Economics)
 ARTHUR AUGUR SQUIER, Bachelor of Science (Mechanical Engineering)
 IDA MARIE STAEHLE, Bachelor of Arts (Liberal Arts)
 CECIL NORMAN STAHL, Bachelor of Science (Foreign Commerce)
 MALORA MAE STANBERRY, Bachelor of Science (Home Economics)
 MABEL JULIA STANFORD, Bachelor of Science (Home Economics)
 GLADYS STEGENGA,² Bachelor of Music (Music)³
 HERMAN WILLIAM STEIN, Bachelor of Science (Civil Engineering)
 WILLIAM AUGUST STEINHAUSER, Bachelor of Science (Architectural Engineering)
 JOHN ARMAND STEINMETZ, Bachelor of Science (General Business)
 GEORGE WILLIAM STONE, Bachelor of Science (Agriculture)
 HARRY FRANCIS STONE, Bachelor of Science (Agriculture)
 BEN WADE STORER, Bachelor of Arts (Liberal Arts)
 LOWELL HESTON STORMONT, Bachelor of Science (General Business)
 ARCHIE ABER STRANE, Bachelor of Science (Civil Engineering)
 JOSEPH MAST STRASSER, Bachelor of Science (Agriculture)⁴
 WARREN DALE STROECKER, Bachelor of Science (Agriculture)⁴
 MARGARET IRENE STROHM, Bachelor of Arts (Romance Languages)⁵
 ROXIE KATHERINE STUART, Bachelor of Arts (Liberal Arts)
 LOUIS FRANK STUEBE, Bachelor of Science (Chemical Engineering)
 MARGARET ERMA STURGEON, Bachelor of Arts (Liberal Arts)
 WIPPERT ARNOT STUMPF, Bachelor of Science (Accountancy)
 GLENN HENDERSON SUNDERLAND, Bachelor of Science (Agricultural Education)⁴
 WESLEY BURR SUTHERLAND, Bachelor of Science (Banking)⁴
 ELMER ALBERT SWANSON, Bachelor of Science (Mechanical Engineering)
 LEAH FRANCES SWANSON, Bachelor of Science (Home Economics)
 REUBEN EDGAR SWANSON, Bachelor of Arts (Liberal Arts)
 LAWRENCE HOWARD SWARD, Bachelor of Science (General Business)²
 CECIL AUGUSTUS SWARTZ, Bachelor of Science (Agriculture)⁴
 CHARLES EDWIN SWINEHART, Bachelor of Science (Landscape Gardening)
 HUBERT BAKER TABOR, Bachelor of Science (Agriculture)
 ALBERT LEWIS TANENBAUM, Bachelor of Science (Chemical Engineering)
 GEORGE NOVORU TANIKAWA, Bachelor of Arts (Liberal Arts)
 GEORGIA MAY TAPSCOTT, Bachelor of Science (Home Economics)
 CARL AUGUST TAUBERT, Bachelor of Science (Landscape Gardening)
 BERNICE LUCILE TAYLOR, Bachelor of Arts (Liberal Arts)
 ELBERT WALLACE ARNOLD TAYLOR, Bachelor of Science (Electrical Engineering)
 JOHN BRADSHAW TAYLOR, Bachelor of Science (Chemical Engineering)
 DONOVAN LONG TAZE, Bachelor of Science (Mechanical Engineering)
 JOHN WARREN TEASDALE, Bachelor of Science (Architecture)²
 ETHALINDA BERNICE TEETERS, Bachelor of Arts (Home Economics)
 LAUREN EVART TEGTMEYER, Bachelor of Science (Civil Engineering)
 FRANCIS BENEDICT THIELE, Bachelor of Arts (Liberal Arts)
 EDWARD HARRY THOMAS, JR., Bachelor of Arts (Liberal Arts)²
 ALBERT WILDER THOMPSON, Bachelor of Arts (French)¹
 CHARLES WOODY THOMPSON, Bachelor of Arts (Liberal Arts)⁴
 GUY HOLSINGER THOMPSON, Bachelor of Science (Education)
 JOHN PHILIP THOMPSON, Bachelor of Science (Civil Engineering)
 JULIA MARGARET THOMPSON, Bachelor of Arts (Liberal Arts)
 ROBERT GAIL THOMPSON, Bachelor of Science (Banking)
 ANDREW ROBERTSON THORNTON, Bachelor of Science (Agriculture)
 ALONZO VALEDE THORPE, Bachelor of Science (General Business)⁶
 LLOYD LAVERNE THRASHER, Bachelor of Science (Accountancy)
 ALFRED WILLIAM THURSTON, Bachelor of Science (Liberal Arts)
 THEODORE TISCHNER, Bachelor of Science (Education)
 GENEVA A. TICEN, Bachelor of Arts (Liberal Arts)⁴
 ROSCOE JOHNSTON TODD, Bachelor of Science (General Business)⁴
 BERNICE EDITH TRACY, Bachelor of Arts (Liberal Arts)
 GLADYS VALERIA TRAGER, Bachelor of Arts (Home Economics)

¹With honorable mention.²Degree conferred February 8, 1922.³With thesis.⁴Degree conferred October 20, 1922.⁵With high honors.⁶Degree conferred August 12, 1922.

RALPH ALLEN TRANK, Bachelor of Science (General Business)²
 RACHEL TRUEX, Bachelor of Arts (Liberal Arts)
 DONALD ARDEAN TRIPP, Bachelor of Science (Insurance)
 LOIS BLANCHE TROGDON, Bachelor of Arts (Liberal Arts)
 ROBERT CAMERON TROUP, Bachelor of Science (Civil Engineering)
 TSAO WEN TSENG, Bachelor of Science (Railway Civil Engineering)¹
 CHIN-MING TSOU, Bachelor of Science (Railway Civil Engineering)¹
 GERALD THOMPSON TUCKER, Bachelor of Science (General Business)¹
 THOMAS HENRY TULLY, Bachelor of Arts (Liberal Arts)
 FRED HAROLD TURNER, Bachelor of Arts (Liberal Arts)
 JOHN PAUL TURNER, Bachelor of Science (Architecture)
 NELLIE MARGARET TURNER, Bachelor of Science (Home Economics)
 STEPHEN GILPIN TURNER, Bachelor of Science (Agriculture)
 JOSEPHINE SYBIL TWIGG, Bachelor of Arts (Liberal Arts)²
 JEAN PERCY ULBRIGHT, Bachelor of Science (Accountancy)
 SIMON VALE, Bachelor of Arts (Liberal Arts)
 EDWIN ERNEST VALENTINE, Bachelor of Science (Architectural Engineering)
 FLORENCE VALENTINE, Bachelor of Arts (Liberal Arts)
 JUSTIN DU BOIS VALLIER, Bachelor of Science (Electrical Engineering)
 FREDERICK EWART VANDAVEER, Bachelor of Science (Chemistry)²
 FENTON ROSS VANDEVENTER, Bachelor of Science (Agriculture)
 RUTH MARLOWE VAN DEVENTER, Bachelor of Science (Agriculture)
 FERN LUCILLE VANDERHEYDEN, Bachelor of Arts (Liberal Arts)
 VAN ALKEMAKE L. W. VAN RYN, Bachelor of Science (Chemical Engineering)
 DOROTHY WHITAKER VARNEY, Bachelor of Arts (Liberal Arts)
 MONROE FOWLER VAWTER, Bachelor of Science (General Business)
 EDMUND ELLSWORTH VIAL, Bachelor of Science (Agriculture)
 RHODA EMILY VIALI, Bachelor of Arts (Home Economics)
 MAY AMELIA VISINO, Bachelor of Science (Education)
 LEON OTIS VOEGLE, Bachelor of Science (Commercial and Civic Secretaries)
 (Mrs.) RUBY ESTHER VOORHEES, Bachelor of Science (Liberal Arts)
 AGNES WICHFIELD VROOMAN, Bachelor of Arts (Liberal Arts)
 JOHN RICHARD WAGENSELLER, Bachelor of Science (Agriculture)
 MARION EUGENIA WAGGONER, Bachelor of Arts (Liberal Arts)²
 EDWARD MICHAEL WAGNER, Bachelor of Science (Accountancy)
 GEORGE JOHN WAHL, JR., Bachelor of Science (Industrial Administration)²
 BENJAMIN DICKINSON WALDIE, Bachelor of Science (Agriculture)
 HAROLD WILLIAM WALKER, Bachelor of Science (General Business)
 HAZEL LOIS WALKER, Bachelor of Arts (Liberal Arts)
 JOSEPH CHRISTY WALKER, Bachelor of Science (General Business)
 CLIFFORD NATHAN WALL, Bachelor of Arts (Liberal Arts)
 LAWRENCE WILFRED WALQUIST, Bachelor of Science (General Business)
 ALORA THELMA WARD, Bachelor of Arts (Liberal Arts)
 DAN PUTNAM WARD, Bachelor of Science (Agriculture)
 MARGARET GRACE WARD, Bachelor of Arts (Liberal Arts)
 LELIA MAY WARFEL, Bachelor of Science (Liberal Arts)
 HILL WARREN, Bachelor of Science (Education)²
 RUTH WARREN, Bachelor of Arts (Liberal Arts)
 WINFRED FIELD WARREN, Bachelor of Science (General Business)²
 AVA LEE WASHBURN, Bachelor of Science (Home Economics)²
 HARRY FRANCIS WATSON, Bachelor of Science (Chemistry)
 THOMAS BRYARS WATSON, Bachelor of Science (Agricultural Education)¹
 ERNEST GEORGE WEAR, Bachelor of Science (Electrical Engineering)
 CHESTER JESSE WEBB, Bachelor of Arts (Liberal Arts)
 RUTH MARJORIE WEBBER, Bachelor of Science (Education)
 OSCAR FRIEDOLIN WEBER, Bachelor of Science (Education)
 EDWIN HERBERT WEBSTER, Bachelor of Science (Chemical Engineering)
 FRED ERNEST WEICK, Bachelor of Science (Mechanical Engineering)
 BENJAMIN WEINFER, Bachelor of Science (Chemical Engineering)
 CHARLES WEISHEIT, Bachelor of Arts (Liberal Arts)
 JOSEPH WEISSMAN, Bachelor of Science (General Business)
 MAURICE WEISSMAN, Bachelor of Science (General Business)
 (Mrs.) DOROTHY ELDER WELLER, Bachelor of Arts (Home Economics)
 OLIN LOYD WELSH, Bachelor of Science (Agriculture)²
 LINGARD EUGENE WERRE, Bachelor of Science (General Business)
 BRUCE WALLACE WERTS, Bachelor of Science (Agriculture)
 WALTER JOEL WESSMAN, Bachelor of Science (Accountancy)
 KATHERINE WESSON, Bachelor of Arts (Liberal Arts)¹
 STEWART BENEDICT WEST, Bachelor of Science (Agriculture)
 ARTHUR PETER WESTLAND, Bachelor of Science (Industrial Administration)
 JULIA HARRIET WESTMAN, Bachelor of Arts (Liberal Arts)
 WESLEY KERN WETTERGREN, Bachelor of Arts (Liberal Arts)
 ESTHER LATIMER WEYER, Bachelor of Arts (Liberal Arts)
 RUSSELL FINLEY WHARTON, Bachelor of Science (Electrical Engineering)
 LEONARD AUSTIN WHIPPLE, Bachelor of Science (Civil Engineering)
 CLAUDE BROWN WHITAKER, Bachelor of Science (Accountancy)
 LOUISE WHITAKER, Bachelor of Arts (Liberal Arts)²
 LOUIS KOSSUTH WHITCOMB, Bachelor of Science (Civil Engineering)¹
 HERBERT BIGHAM WHITE, Bachelor of Science (Agriculture)
 JEANNE WINSLOW WHITE, Bachelor of Science (General Business)
 WILLIAM LLOYD WHITE, Bachelor of Arts (Liberal Arts)

¹Degree conferred October 20, 1922.²Degree conferred February 8, 1922.³Degree conferred on August 12, 1922.⁴With honorable mention.

NEVA MAY WHITFORD, Bachelor of Arts (Liberal Arts)
 HERMAN ANSEL WHITSON, Bachelor of Arts (Liberal Arts)¹
 RALPH SAMUEL WHITTINGTON, Bachelor of Science (Electrical Engineering)
 HARRY HEYNS WILDEMAN, Bachelor of Science (General Business)
 CARL AUGUST WILKE, Bachelor of Science (Medicine)²
 RUTH MARYLANE WILLEFORD, Bachelor of Arts (Home Economics)
 ANNA BEATRICE WILLIAMS, Bachelor of Arts (Liberal Arts)
 OLIVER LOCKWOOD WILLIAMS, Bachelor of Science (Industrial Administration)³
 BERNICE EMILY WILLIAMSON, Bachelor of Arts (Liberal Arts)⁴
 WILLIAM ARTHUR WILLIS, Bachelor of Science (Chemical Engineering)
 JOHN KNIGHT WILLY, Bachelor of Science (Industrial Administration)
 EDMOND CHARLES WILNER, Bachelor of Science (General Business)⁵
 ABRAM SMITH WILSON, Bachelor of Science (Civil Engineering)
 HOWARD THORNTON WILSON, Bachelor of Science (Agriculture)
 LEWIS BENDER WILSON, Bachelor of Science (Banking)⁶
 STANLEY RAYMOND WILSON, Bachelor of Science (Industrial Education)⁷
 WESLEY DAVID WILSON, Bachelor of Science (Civil Engineering)
 PAUL GERHARDT WINDT, Bachelor of Science (Municipal and Sanitary Engineering)
 FRANCES ESTHER WINE, Bachelor of Arts (French)⁸
 MARIAN GRACE WINN, Bachelor of Arts (Home Economics)
 CALVERT SWING WINSBOROUGH, Bachelor of Science (Landscape Gardening)⁹
 FLOYD LESLIE WINTER, Bachelor of Science (Agriculture)
 HENRY AYLES WITTICK, Bachelor of Science (Industrial Administration)
 ROBERT ALFRED WITTMANN, Bachelor of Science (Mechanical Engineering)
 FREDERICK MINOR WITWER, Bachelor of Science (Banking)
 KATHERINE MINARD WOLCOTT, Bachelor of Science (Home Economics)
 LEAMAN ARCHER WOLD, Bachelor of Arts (Liberal Arts)
 HELEN ALEXANDRIA WOLFE, Bachelor of Arts (Liberal Arts)
 SAMUEL SAUL WOLFF, Bachelor of Science (Electrical Engineering)
 ANNETTA LOIS WOOD, Bachelor of Arts (Liberal Arts)
 HAZEL MYRTH WOOD, Bachelor of Science (Education)³
 DUDLEY WARNER WOODBUDGE, Bachelor of Arts (Liberal Arts)
 HELEN BLANCHE WOODRUFF, Bachelor of Arts (Liberal Arts)
 LUCY WOODS, Bachelor of Arts (Liberal Arts)
 RUSSELL BROOKS WOOLLEY, Bachelor of Science (General Business)
 HENRY FRANCIS WOUFFE, Bachelor of Science (General Business)
 ADELBERT EARNEST WUESTEMAN, Bachelor of Science (Mechanical Engineering)
 CHARLES ERNEST YALE, Bachelor of Science (Agriculture)
 HOWARD NOBLE YATES, Bachelor of Sciences (Foreign Commerce)
 VIBERTA YUTZY, Bachelor of Arts (Liberal Arts)
 JOHN THADDEUS ZALESKI, Bachelor of Science (General Business)¹
 LEO DONNELL ZEEK, Bachelor of Sciences (Electrical Engineering)
 CHARLES KAUTZ ZEILMAN, Bachelor of Sciences (Education)
 YERVANT MUGERDICH ZELVEIAN, Bachelor of Sciences (Agriculture)
 GEORGE ATHALWIN ZIEMER, Bachelor of Arts (English)⁴
 RUBY CAMILLE ZIMMERMAN, Bachelor of Arts (Liberal Arts)
 JOSEPH SAMUEL ZUCKERMAN, Bachelor of Science (Mechanical Engineering)

THE COLLEGE OF LAW

The Degree of Bachelor of Laws

VARIAN BALTZELL ADAMS
 HARRY DRAKE ANDERSON
 HARRY ANDREW BARR, A.B., *William and Vashti*
*College, 1913*¹
 PAUL HAROLD BLOOMINGDALE
 LEO BURK
 CHARLES EVERT CARNAHAN
 CHARLES LOUIS CRAY
 CHESTER RUDOLPH DAVIS, A.B., *Lake Forest*
College, 1919
 JOHN FRANCIS DOUGHERTY
 DONALD MACK EATON²
 RALPH MELVIN EATON
 HORACE BRYAN GARMAN, A.B., 1919
 GEORGE GALE GILBERT, Jr.
 WILLIAM FINLEY GOODMAN

ROY CLETIS GORE, A.B., 1921
 MILES GRAY³
 ARTHUR J HAIR
 BERNARD WILFRED HARRINGTON
 EARL CONRAD HARRINGTON
 HOMER BLINN HARRIS, A.B., *Northwestern*
University, 1919
 DAVID JAMES KADYK, A.B., 1919
 CLARENCE KAMMERMAN¹
 LLOYD WILBUR LEHMAN
 WILFRED MYERS McFARLAND
 JOHN COLLINS MANN
 JAMES ANDREW PETERSON, A.B., 1922
 RUSSELL WILLIAM ROOT
 CHARLES WINFIELD VAIL, Jr.

The Degree of Doctor of Law

MARION MURPHY HART, A.B., 1920
 CHARLES GERARD HOWARD, A.B., 1920

LAURANCE PACKER SIMPSON, A.B., 1920

¹Degree conferred October 20, 1922.

²Degree conferred February 8, 1922.

³Degree conferred August 12, 1922.

⁴With honorable mention.

⁵With thesis.

THE LIBRARY SCHOOL

The Degree of Bachelor of Library Science

FANNY ALICE COLDREN, A.B., 1921
 MYRON WARREN GETCHELL, A.B., A.M. (*University of Oregon*) 1911, 1921
 PERCY DON HAMMOND, A.B. (*University of West Virginia*) 1917
 MARIE MILLER HOSTETTER, A.B. (*University of Kansas*) 1919
 KATE SUSAN KEPLER, A.B. (*Beloit College*) 1908
 ISAAC VILLAGONZALO LUCERO, A.B., B.S. (*University of the Philippines*) 1918, 1920
 MILES OSCAR PRICE, B.S. (*University of Chicago*) 1914
 JACKSON EDMUND TOWNE, A.B., A.M. (*Harvard University*) 1916, 1917
 SARA LUCILLE WOODS, A.B. (*Indiana University*) 1920

THE COLLEGE OF MEDICINE

The Degree of Bachelor of Science

(Conferred in Chicago)

ERNEST ALCIVAR RALPH BOYCE ARMITAGE HARRY CLINTON BIGGLESTONE, A.B. MAX T BOLOTIN AMOS PRESLEY BRATRUDE GLEN AMOS BROUGH, A.B. HYMAN NATHANSON BROWN ¹ WILLIAM BURST ² LEONARD LOUIS CHARPIER MARCUS B CIRLIN ³ LOREN LESLIE COLLINS RAYMOND GREEN COLYER CLYDE KENNETH CONRAD ¹ ROBERT NEIL CROW IRVIN DAVIS HUGO O DEUSS ¹ LOUIS EDIDIN, B.S. ³ EUGENE ALBERT EDWARDS LOUIS ESHMAN ABRAHAM ETTLESON ¹ CHARLES HAROLD EYE JACOB FISCHER ¹ JOHN FRANCIS FLYNN ROBERT WILLIAM FLYNN CHESTER PHILIP FOX MILTON B. GEVIRTZ ¹ IVAN GILBERT ¹ LEO G GLICKMAN ¹ RUSSEL GOEBEL ¹ CHARLES WEER GOFF JOSEPH GOLDBERG ROBERT LEROY GROVES, A.B. HAROLD QUINTEN GROOS MAURICE REESE GUTTMAN LOUIS JOSEPH HALPERN JAMES PENDLETON HAHN BROOKE HORSKY ¹ MORRIS S JERKOWSKY ¹ HOWARD REYNOLD JOHNSON JOHN ROBERT JOHNSON RUSSEL JOHNSON ¹ SAMUEL KAPLAN MORRIS LEWIS KARBELNIG MILTON HENRY KRONENBERG NEAL MCLEAN LEITCH	ALOYSIUS FRANCIS LENZEN, A.B. RICHARD AXEL LIFVENDAHL WILLIAM BERINGER MARCUSSON, JR. JESSE MARGOLIS EMERY JAMES MCINTIRE ROBERT WOODRUFF MEALS MORTON JOSEPH MILLS ² JACOB MORTON MORA JOHN P MULCAHY ANDREW McNALLY OWEN WENDEL EMEN NOWLIN CLARENCE M O'HORA ARTHUR PAUL PICARD MANNIE ARNOLD POLKOVITZ ² ENMA PONZER, A.B. CHARLES THEODORE POULSON JAMES FRANCIS RALSTON DEWEY MINNIS ROBERTS ROBERT CRAWFORD ROBERTSON THOMAS SANDERSON ROBERTSON JESSE P ROGERS ¹ DAVID H ROSENBLUM JOSEPH RUBENSTEIN DORRIN FREDERICK RUDNICK ROBERT SCHAFER DAVID SCHINBERG ¹ ELIZABETH SCHIRMER ¹ SHERMAN LAWRENCE SHAPIRO LEAH SINAI, B.S. ³ FRANK JOHN SMEKAL CHARLES RAIMER SMITH RALPH BENJAMIN SNAVELY MICHAEL HENRY STREICHER VINCENT J SUTCH JOSEPH HANCOCK THOMAS MAURICE JOHN THORNTON ALVIN STEWART THURSTON CARL J UTHOFF ¹ HYMAN ISRAEL VENER ¹ SAMUEL I WEINER ¹ CARL AUGUST WILKEL WILBUR STUART WOOD JOHN CLARENCE YOCKEY EDMUND VALIENT YOUNG MOHAMMED ABBAS YAHYA
--	---

The Certificate in Medicine

(Conferred in Chicago)

SAM ABRAHAM, B.S. BERTHA MARIE G. ANDERSON, B.S. BAYARD MELVIN BAILEY, B.S. SIMEON LEO BERMAN, B.S. COLEMAN A. BLOCK, B.S. ARTHUR REUBEN BLOOM, B.S. ALBERT JAY BONER, B.S. WILLIAM LANE BURMAN, B.S. WILLIAM BURST, B.S. JAY REED DEWEY, B.S. RUBY MARIE DONALY GLEN WESLEY DOOLEY, B.S. ISADORE ABRAHAM DRUES, B.S. PERSIS ELFELD, B.S.	DONALD EUGENE FAXON, B.S. JULIUS ERNEST FLEISCHNER, B.S. JOSEPH GOLDBERG CLARENCE ORVILLE HUGHES, B.S. RAYMOND JULIAN JOSEWSKI GEORGE SHAYNIN LIVINGSTON, B.S., M.S. SAUL HYMAN MAIZUS, B.S. ROBERT MEYER MANDELL, B.S. HARRY OLIVER MARYAN, B.S. EDWARD LINCOLN MASTERTON, B.S. PAUL BURNS MONROE, B.S. JOHN KELLY MOEUR, B.S. CARL LEONARD MUFFINGER, B.A., B.S. WILLIAM HENRY MYERS, B.S.
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¹Degree conferred December 15, 1922.

²Degree conferred February 8, 1922.

³Degree conferred October 20, 1922.

HERMAN J PILKA, B.S.
MANNIE ARNOLD POLK, B.S.
GUY VICTOR PONTIUS, B.S.
ALBERT LEROY POTTS, B.S.
EVSAY PRILLA, B.S.
MANFRED U PRESCOTT, B.S.
BEN ZION RAPPAPORT, B.S.
OTTO ANDREW G REINHARD, B.S.
TOBIAS RESNIK, B.S.

HENRY HARRY RUBIN, B.S.
JAMES HIRST RUTLEDGE, B.S.
GEORGE CLEVELAND SHELTON, B.S.
ANNIE THOMPSON SMITH, A.B., A.M.
SAMUEL TOLPIN, B.S.
WARD HUSTON VENTRESS, B.S.
DAVID ARTHUR WELENSKY, B.S.
NATHAN S. ZEITLIN, B.S.

The Degree of Doctor of Medicine

(Conferred in Chicago)

LEWIS ALBERT ALESEN, B.S.
CARL ALFONS BACON, B.S.
L BENNO BERNHEIMER
JULIUS BRAMS, B.S.
PAUL JONES BRONSON, B.S.
RICHARD CLARE BURKETT, B.S.
LEONARD LOUIS CHARPIER¹
FRANK LELAND CHENOWETH, B.S.
JOHN SPURGEON COLEMAN, B.S.
ERNEST NAPOLEON D'ALCORN, B.S.
JOHN DWIGHT DAVIS, A.B.
HOWARD OLNEY DENNIS, B.S.
PEDRO JOAQUIN DONA, B.A., B.S.
FRANKLIN RANSOM FITCH, B.S.
WILLIAM JOHN FOCKE, B.S.
JOHN FISHER GAINER
MAXWELL JULIAN GOLDENSON, B.S.
HARRY GORDON, B.S.
RUTH PIERCE GUILDER, B.S.
MILTON BOYCE HERBESIN
CHARLES OWEN HERSEY
RALPH WESLEY HOFFMAN, B.S.
ANTHONY JOHN HOSPERS
INGVALD JOHAN JENSEN, B.S.
HERMAN MILTON SOLOWAY
HYMAN ISCHIA SPECTOR, B.S.
IRWIN GABRIEL SPIESMAN, B.S.
FRANK STEWART, A.B.
HARRISON BONWELL JEWELL, B.S.

JOHN HOLLY JEWELL
JAMES PAUL JOHNSTON
RALPH AUGUST KORDENAT, B.S. M.S.
ADOLPH KRAFT, B.S., M.S.
JOSEPH ELI LAIBE, B.S.
ABE LOUIS LEVIN
ETHEL ESTHER LITTLE, A.B., B.S.
HAROLD BARKER LOUGHERY, B.S.
DON CLAYTON MERRILL, B.S.
RAYMOND ERVIN MITCHELL
RUDOLPH J MROZ, B.S.
JACOB HERMAN NEMEROFF
ARNOLD CARL NICKLES, B.S.
SAMUEL GLENWOOD PLICE, B.S.
CASIMIR FRANK PRZYPYSZNY, B.S.
OSCAR BENJAMIN RAGINSKY, B.S.
FREDERICK AUGUST RETTIG, B.S.
FRANK RAYMOND RICHMOND, B.S.
THEODORE AUGUST ROST, B.S.
JULIUS RHODES, B.S.
IRWIN RUBIN, B.S.
ROBERT HENRY SCHROEDER, B.S.
CLARENCE CHARLES SAEHLHOF, B.S., M.S.
THEODORE ROSS VAN FELT, B.S.
HOMER SAMUEL WARREN, Jr., B.S.
LEONARD F WEBER
LOUIS JEROME WISCH
WILLIAM YONKER, B.S.
SAFRONIO CAPON ZULATBAR¹

THE COLLEGE OF DENTISTRY

The Degree of Bachelor of Science

(Conferred in Chicago)

LEON ALTON WRIGHT

The Degree of Doctor of Dental Surgery

(Conferred in Chicago)

MATHILDE ACHEN²
MAURICE BERGER
DANIEL LLOYD BISHOAR
BRADFORD THOMAS BROWN
DELORAIN KEITH DUNLAP
HYMAN ELFENBAUM
CAYETANO CRUZ EUSTAQUIO
JOHN FINNEGAN²
MATSUARO HAMANO
WARD WINFIELD HARVEY
ELMER ALBERT HERMES
HARRY CHRISTOPHER HINES
RALPH HENRY HOHMAN
LUTHER WALTER HUGHES
KANZO IAI²
JOHN ROBERT JONES
NEWTON JOHN KRABBE
ELBA LOUIS KRAUSER
SAMUEL DAVID KRETSHMER
ANNE MARIE LACHOUT²
HARRY REESE LANDE

JACOB JOSEPH LEWIS²
LOUIS RICHARD MIDDLETON
ALFRED JOHN MOLDENHAUER
EVAN WILLIAM MOLLENKOPF
JOHN HENRY MOORE
MOSADURO NAKADAI
EDA DEE NEFF
WILLIAM PATRICK ROCK²
CASTO DEL ROSARIO²
ZACHERY PHILIP SAPERSTEIN
MAURICE STRILKY
ERNEST CHARLES STUENKEL
HENRY STURMAN
HAROLD DOW SWAIN
SATOSHI TODA²
TORAJI TOKAHASHI²
WATARU TSUZUKI
HERBERT WELLS WILLIS
BENJAMIN KAY WONG
LEON ALTON WRIGHT
HIROSHI YOSHIDA²

¹Degree conferred December 15, 1922.

²Degree conferred October 20, 1922.

THE SCHOOL OF PHARMACY

The Degree of Graduate in Pharmacy

(Conferred in Chicago)

EDWARD F. ANTONIDES
 DAVID M. APPEL
 CARL BARKER
 ISIDOR BOCHNER
 ALPHONSO WILLIAM BORUCKI
 GEORGE MILTON COCHRAN
 MATTHEW COHN
 GEORGE ORLEAN CRYSTAL
 ISIDORE BERNARD CRYSTAL
 JOSEPH DOWNEY DOUGHERTY
 MATTHEW HENRY FRANKOWSKI
 CLARENCE PHILIP GLEICH
 ANNA BEE HALLER
 CHARLES MILTON HAVENS
 ELMER MARTIN HODEL
 BARNEY S. JOHNSON
 CARL HEARN JOHNSON
 REES DAVID JONES
 VICTOR EARL KOONTZ
 JOHN JULIUS KRAUCZUNAS
 HENRY EDMUND KUNKA
 ROBERT V. KUNKA
 RUSSELL DAMON LEVY

CURTIS FRANCIS LORENZ
 FRANK LEWIS McOMBER
 PHILIP MENDELSON
 FRANCIS CHARLES MOSS
 GEORGE EDWIN PARKS
 JOHN FRANK PRIHODA
 LOUIS SING QUONG
 ELMER NELSON RULIEN
 JAMES MCKINLEY SCOTT
 ISADORE ERWIN SILBERMAN
 ANTON SLADKY
 ROY BERNARD STAHLBERG
 NICHOLAS DIMETROFF STOYANOFF
 EUGENE PATRICK SULLIVAN
 ARTHUR BRUCE THOMAS
 SAMUEL CLIFTON THOMSON
 WING TOY
 JOHN TUMAS
 DARWIN ROMANES TURNER
 MADGE ORLENE WALBORN
 GEORGE LEWIS WEBSTER
 CECIL DEWEY WOLFE

THE GRADUATE SCHOOL

The Degree of Master of Arts

In Botany

ORDA ALLEN PLUNKETT, A.B. (*Wabash College*) 1920

In Chemistry

RALPH CONNER CORLEY, A.B., 1921
 LAWRENCE ERWIN EARLENBAUGH, A.B. (*University of Kansas*) 1921
 CLARENCE WILLIAM KREGER, A.B. (*Miami University*) 1919¹
 JACOB NEVYAS, A.B. (*Swarthmore College*) 1919
 CYPRIAN GEORGE TOMECKO, A.B. (*St. Procopius College*) 1916
 THEODORE OTTE YNTEMA, A.B. (*Hope College*) 1921

In Classics

CLEMENT LOUIS HRDLICKA, A.B. (*St. Procopius College*) 1918
 GREGORY MARCOSSON MAZER, A.B. (*Harvard University*) 1917

In Economics

ORIE BENJAMIN GERIG, A.B. (*Goshen College*) 1917²
 HAROLD WALTER GUEST, A.B. (*Albion College*) 1921²
 WILLIAM ALBERT MCCONAGHA, B.S. (*Muskingum College*) 1917
 WILLIAM BLAIR STEWART, JR., A.B. (*Reed College*) 1907²

In Education

CARL WALTER ALLISON, A.B., 1913
 ANNIE ELIZA BARKER, A.B., 1920
 FRANK JAMES DUFRAIN, A.B. 1916,¹
 FORREST GLEN EDWARDS, A.B. (*Lombard College*) 1907²
 EINER AUGUST HANSEN, A.B. (*St. Olaf College*) 1920
 GUY JINK KOONS, A.B., 1912²
 GRACE ERMINE MADDEN, A.B., 1917
 EARL QUINTER SNIDER, A.B., 1906¹
 ELSIE ANN WERNER, A.B., 1921

In English

GARRETA HELEN BUSEY, A.B. (*Wellesley College*) 1915
 AVIS DUNGAN CARLSON, A.B. (*Southwestern College*) 1917
 GERALD HEWES CARSON, A.B., 1921
 GORDON RANDOLPH CRECRAFT, A.B. (*Miami University*) 1918
 THEODORE WAYLAND DOUGLAS, A.B. (*Miami University*) 1918
 EDITH DOANE FLEMING, A.B. (*Southwestern College*) 1917²
 FREDRIKA GRACE GUERNSEY, A.B. (*Hedding College*) 1919
 SYLVAN DIX HARWOOD, A.B., 1916
 RUTH JENKINS, A.B. (*Georgetown College*) 1921
 WILLIAM BYRON MOWERY, A.B., 1921
 MARGUERITA NEEDHAM, A.B., 1920
 MERLE VINCENT RAINES, A.B., 1921
 WARNER GRENELLE RICE, A.B., 1920
 ALBERT FRANCIS TRAMS, A.B., 1905
 ALITA FERNE UPTON, A.B. (*Eureka College*) 1921²

¹Degree conferred February 8, 1922.²Degree conferred October 20, 1922.

In History

- GERTRUDE ADY, A.B. (*Monmouth College*) 1921
 MARTHA HARRIET DUBOIS, A.B., 1919¹
 ESTHER JEANETTE HARPER, A.B. (*Illinois Woman's College*) 1921
 IVAN JENNINGS OBENSHAIN, A.B. (*Hedding College*) 1921²
 HISATA ASBURY SANTO, B.Com. (*Tung Wen College of Japan*) 1918, A.B. (*DePauw University*) 1920
 CLAUDE KENNETH TURMAN, A.B. (*Indiana University*) 1920
 RUTH ALEXANDER WILLIAMS, A.B. (*Rockford College*) 1921

In Mathematics

- ROY FRENCH GRAESSER, A.B., 1919
 JOHN WILDEBOON HURST, B.S. (*University of Missouri*) 1920¹
 ELIZABETH ESTHER KNIGHT, A.B. (*James Millikin University*) 1919
 LOUIS EDWARD MENSENKAMP, A.B., 1916²
 MARY MELISSA PARK, A.B. (*Wheaton College*) 1920¹
 MILDRED ELLEN TAYLOR, A.B. (*Oxford College*) 1921¹
 SARAH HELEN TAYLOR, A.B. (*Illinois College*) 1920

In Physics

- WILLIAM JACOB JENSEN, A.B. (*Carlton College*) 1920
 WILLIAM HOWARD SANDERS, A.B., 1920
 WALTER BOATMAN WORSHAM, A.B., 1912

In Political Science

- WILLIAM CORNELL CASEY, A.B. (*James Millikin University*) 1916
 PAO JIN HO, A.B. (*Fuh-tan University*) 1920, A.B. (*University of Washington*) 1921

In Psychology

- HARRIETT MAYBELLE ANDERSON, A.B., 1920

In Romance Languages

- CECILE MARY BELLE, A.B., 1919
 RENÉ GEORGES GUIET, A.B., 1920
 ELLA MAI WILSON, A.B. (*Vanderbilt University*) 1919

In Sociology

- MARY BEATRICE GARVIN, A.B., 1917¹

In Zoology

- DAVID CAUSEY, A.B. (*James Millikin University*) 1921
 HAROLD JOHN EIGENBRODT, A.B. (*North-Western College*) 1921
 ROSELLE MAE KARRER, A.B., 1921

The Degree of Master of Science

In Accountancy

- ERASTUS IMMANUEL FJELD, B.S., 1922³

In Agronomy

- KARL HENRY WILLIAM KLAGES, B.S. (*Oregon State Agricultural College*) 1921
 OSWALD MCCONKEY, B.S.A. (*Ontario Agricultural College*) 1917
 JOHN BALFOUR OSBORN, B.S.A. (*Transvaal University College*) 1920
 AMENDEE RAYMOND FULLEN, B.S. (*Transvaal University College*) 1920

In Animal Husbandry

- ALVA WILFRED CRAVER, B.S. 1921
 EVERETT LOUIE JOHNSON, B.S., 1921
 CYRUS HAYMOND MAXWELL, JR., B.S.A. (*West Virginia University*) 1921
 FLEMING MURRAY SHERLAW, B.S., 1921

In Architecture

- YOSHIJIRO MINE, A.B. (*Waseda University*) 1918

In Botany

- JOHN HENRY MACGILLIVRAY, B.S., 1921
 MATTHEW GEORGE STAHL, B.S. (*University of South Africa*) 1919, M.S. (*Kansas State Agricultural College*) 1921³
 EDWIN EARL HONEY, B.S. (*Cornell University*) 1916¹

In Business Organization and Operation

- ANNA COOLLEY, B.S., 1921
 GEORGE ROBERT MACH, B.S., 1921³
 MARTEN JOSEPH MANDEVILLE, B.S., 1921³
 ALVIN GUGELER MATHEWS, B.S., 1921
 AUDLEY EVERETT PATTON, B.S., 1921

In Ceramic Chemistry

- WALTER ALLOS KOEHLER, B.S., Ch.E. (*University of Wisconsin*) 1919, 1920

¹Degree conferred February 8, 1922.

²Degree conferred August 12, 1922.

³Degree conferred October 20, 1922.

In Chemistry

- NELSON JOSEPH ANDERSON, B.S. (*Kansas State Agricultural College*) 1920¹
 JOHN WENDELL ANDREWS, B.S. (*Kansas State Agricultural College*) 1920²
 GEORGE ROCKWELL BARNETT, B.S. (*Monmouth College*) 1918
 ROGER MOORE BOND, A.B. (*Monmouth College*) 1920
 WALLACE REED BRODE, B.S. (*Whitman College*) 1921¹
 JOHN BLACKWELL DAVIS, B.S. (*Beloit College*) 1920
 EMIL EDWARD DREGER, B.S. (*North-Western College*) 1916²
 RALPH WALDO FOOLER, B.S., 1921
 HOWARD WOODHAM GOULD, B.S. (*McKendree College*) 1918¹
 THOMAS SHERMAN HAMILTON, B.S., 1917²
 HERMANN CONRAD NIES HECKEL, B.S., 1921
 JAMES HERBERT HIBBEN, B.S., 1920²
 RALPH LESTER HORST, A.B. (*Nebraska Wesleyan University*) 1918
 HORACE BALDWIN HUDDLE, B.S. (*Georgetown College*) 1919
 ELIZABETH CHARLOTTE HYDE, A.B. (*Mt. Holyoke College*) 1909
 VALENTINE AUSTIN JONES, B.S., 1921²
 WILLIAM ROBERT KING, Jr., B.S. (*Monmouth College*) 1920²
 HUGO CHRISTIAN LARSON, A.B. (*Augustana College*) 1919
 CARL JOHN LAUTER, B.S., 1911
 JAMES STEWART MACHIN, A.B. (*Westminster College*) 1921¹
 JOE EUGENE MOOSE, A.B. (*Southern Methodist University*) 1917
 LOTTIE ELLA MUNN, A.B. (*Baldwin-Wallace College*) 1917
 EDWARD OSCAR NORTH, B.S. (*Beloit College*) 1918¹
 CLIFFORD FRED RASSWEILER, A.B., (*University of Denver*) 1920²
 FRANK LOUIS ROMAN, B.S., 1911
 JOSEPH SIMMONS, B.S., 1919²
 ROY ALLEN SHIVE, B.S., (*Pennsylvania State College*) 1921²
 WARREN MYRON SPERRY, B.S. (*Cornell University*) 1921¹
 ROGER GREENLEAF STEVENS, B.S., 1920
 LEONARD STIDLEY, A.B. (*Carthage College*) 1921
 VANDERVEER VOORHEES, B.S., 1921
 EDWIN HERBERT WEBSTER, B.S., 1921
 JOHN WIERDA, A.B. (*Hope College*) 1921¹
 GLENN FABER ZELHOEFER, B.S., 1921¹

In Civil Engineering

- ERNEST EDWIN MICHAELS, B.S. (*South Dakota State College*) 1920
 JOHN WILLIAM ROWLEY, B.S. (*University of Missouri*) 1921²

In Dairy Husbandry

- ARTHUR SAMUEL AMBROSE, B.S., 1914
 REUBEN WALTER PETERSON, B.S., 1917
 BENJAMIN ANDREW STIRITZ, B.S., 1918
 PAUL HUBERT TRACY, B.S., 1920

In Economics

- BHUPENDRA NATH BYSACK, B.S. 1921²
 CLARENCE CHARLES HERRMANN, B.S., 1920²
 HARRY ALBERT ROSS, B.S., 1917²
 WALTER JOHN ROTH, B.S., 1920

In Education

- ELINOR BERTHA FLAGG, B.S., 1921
 ISAAC OWEN FOSTER, (*Southern Illinois State Normal University*) 1921¹

In Electrical Engineering

- WILLIAM MORRIS YOUNG, B.S., 1921

In Entomology

- FAUSTINA QUESALES OTANES, A.B., 1921²
 PERRY AARON GLICK, A.B., 1921²

In Genetics

- HORACE WENGER FELDMAN, B.S. (*Purdue University*) 1921¹

In Home Economics

- IRENE TEAGARDEN, B.S. (*University of Montana*) 1915

In Horticulture

- JANARDAN SAHASRA BUDHE, B.S., 1921²
 ERNEST PAUL LEWIS, B.S. (*Purdue University*) 1920

In Mathematics

- EARL WEBB MARTIN, B.S. (*Chicago University*) 1921¹

In Mechanical Engineering

- LINCOLN BALES BREEDLOVE, B.S., 1914
 CARL HENRY CATHER, B.S. (*West Virginia University*) 1916

¹Degree conferred August 12, 1922.

²Degree conferred February 8, 1922.

³Degree conferred October 20, 1922.

*In Municipal and Sanitary Engineering*WILLARD MARTIN OLSON, B.S. (*University of Nebraska*) 1921*In Physics*THERON BAYNE CHANEY, B.S. (*Knox College*) 1921WILLIAM PARKERSON, A.B. (*Tulane University*) 1919*In Theoretical and Applied Mechanics*SABRO UCHIMURA, Ko-Gaku-Shi (*Kyushu Imperial University*) 1920

Professional Degree in Engineering

Master of Architecture

MARCUS GILBERT MILLER, B.S., 1914

The Degree of Civil Engineer

HENRY EMMETT BARTLETT, B.S., 1893

HARLAN HAMMOND EDWARDS, B.S., 1917

CHARLES ALTON ELLIS, A.B. (*Wesleyan University*) 1900

LEWIS NEBINGER FISHER, B.S., 1912, M.S., 1914

THOMAS DOUGLAS MYLREA, B.S., 1909

FRANK ERWIN RICHART, B.S., 1914, M.S., 1915

The Degree of Electrical Engineer

MYRON SCOTT HANCOCK, B.S., 1917

ABNER RICHARD KNIGHT, M.E. (*Ohio State University*) 1909, M.S., 1917

HARRY ALBERT MOORE, B.S., 1910

The Degree of Mechanical Engineer

FRANK MACKNET VAN DEVENTER, B.S., 1917

The Degree of Doctor of Philosophy

In Agronomy-ANTON ERIC ROMYN, B.S. (*University of Toronto*) 1916, M.S., 1920*In Astronomy*CHARLES CLAYTON WYLLIE, A.B. (*Park College*) 1908, A.M. (*University of Missouri*) 1912*In Bacteriology*-PAUL WILLIAM ALLEN, B.S., M.S. (*St. Lawrence University*) 1910, 1914¹-LETHE ELEANORA MORRISON, A.B., M.S. 1919, 1921¹*In Botany*-AARON RAYMOND KIENHOLZ, B.S. (*Northwestern College*) 1917, M.S., 1920-FREDERICK FRANCIS WEINARD, B.S. A.M. (*University of Nebraska*) 1916, 1917*In Chemistry*

-OTIS AVERY BARNES, B.S., M.S., 1916, 1918

-VERNON BOSMAN, A.B. (*University of the Cape of Good Hope*) 1917, A.M. (*University of Cape Town*) 1918

-HOWARD MARION CHILES, B.S., M.S., 1917, 1920

-ADAM ARTHUR CHRISTMAN, B.S. (*Grinnell College*) 1917, M.S., 1920²-EARL AGARD ENGLE, A.B., A.M. (*University of Denver*) 1918, 1919

-PAUL MEADE GINNINGS, B.S., M.S., 1919, 1920

-JOSEPH LOWE HALL, B.S., M.S., 1919, 1921

-ARTHUR WILLIAM INGERSOLL, B.S., M.S. (*University of Nebraska*) 1917, 1918

-JOHN RAVEN JOHNSON, B.S., M.S., 1919, 1920

-WILSON DAVIS LANGLEY, B.S., M.S. (*Wesleyan University*) 1918, 1919-HARRY LOUIS LOCHTE, A.B. (*University of Texas*) 1918²-CHARLES SHATTUCK PALMER, B.S., 1917, 1920²-ARMAND JAMES QUICK, B.S., M.S., (*University of Wisconsin*) 1918, 1919³

-RALPH FRED SCHNEIDER, B.S., M.S., 1919, 1920

-GEORGE REED SHELTON, A.B. (*Maryville College*) 1911, A.B. (*Cornell University*) 1912, M.S., 1920-ERNEST ATKINS WILDMAN, B.S. (*Earlham College*) 1912, M.S., 1914-WILLIAM COURTNEY WILSON, B.S. (*Westminster College*) 1917, M.S., 1920*In Classics*

-MARY LUELLE TROWBRIDGE, A.B., A.M., 1915, 1916

In Economics-AUGUSTA EMILE GALSTER, A.B., A.M., 1918, 1920¹-EARL JOYCE MILLER, A.B. (*Simpson College*) 1916, A.M., 1921*In Education*-CHARLES WATTERS ODELL, A.B., A.M. (*DePauw University*) 1911, 1912*In History*-ROBERT ROYAL RUSSELL, A.B. (*McPherson College*) 1914, A.M. (*University of Kansas*) 1915¹¹Degree conferred October 20, 1922.²Degree conferred August 12, 1922.³Degree conferred February 8, 1922.

In Mathematics

- EARL EMANUEL LIBMAN, B.S., M.S., 1916, 1920¹
 — HARVEY PIERSON PETTIT, A.B. (*Kalamazoo College*) 1914, A.M. (*University of Kentucky*) 1919
 — WILLIAM PHILLIP UDINSKI, B.S., M.S., 1918, 1920

In Pharmacology (Medicine)

- HARRY VICTOR ATKINSON, B.S. (*Ohio State University*) 1911

In Physics

- CLAUDE JEROME LAPP, A.B. (*Albion College*) 1917, A.M., 1920
 — ELEANOR FRANCES SEILER, A.B., A.M. (*University of Denver*) 1913, 1914, A.M., 1916

In Political Science

- LLOYD MILTON SHORT, A.B. (*Knox College*) 1919, A.M., 1920

In Romance Languages

- WALTER HENRY STORER, A.B., A.M., 1919, 1920

In Zoology

- AMOS HENRY HERSH, A.B., A.M. (*Franklin and Marshall College*) 1914, 1915
 — DUNCAN CHARTERIS HETHERINGTON, A.B. (*Colorado College*) 1919, A.M., 1920
 — ASA ORRIN WEESE, A.B. (*University of Minnesota*) 1909, A.M., 1918

Candidates as of Earlier Classes

The Degree of Bachelor of Science

In Mechanical Engineering

- JAMES WILLIAM ARMSTRONG (*as of the class of 1893*)

¹Degree conferred August 12, 1922

SCHOLARS AND FELLOWS, 1922-1923

LEONARD GLADSON ABRAHAM, Scholar in Electrical Engineering
FRIEDA BAIRD, Scholar in Economics
ALICE L. BARNDT, Scholar in English
MARGARET ELIZABETH BEST, Scholar in History
W. B. BURNETT, Fellow in Chemistry
MAX GRIFFIN CARMAN, Scholar in Mathematics
L. S. CLEMENTE, Fellow in Genetics
HAZEL A. DELL, Scholar in English
HAROLD JOHN EIGENBRODT, Scholar in Zoology
GEORGE ELBERT EKBLAW, Scholar in Geology
MAYOR FARTHING FOGLER, Fellow in Chemistry
FRITIOF M. FRYXELL, Scholar in English
CHARLES WRIGHT FORNOFF, Fellow in History
J. H. GARDNER, Fellow in Chemistry
T. GERMUNDSON, Scholar in Theoretical and Applied Mechanics
W. F. GOEBEL, Fellow in Chemistry
ROSE MARY GREEN, Scholar in Chemistry
MARY C. GREGORY, Scholar in English
EMIL F. GUBA, Fellow in Botany
ROBERT CAREY HAYES, Scholar in History
DAVID GRAAF HAYLETT, Scholar in Agronomy
CLEMENT LOUIS HRDLICKA, Fellow in Classics
RICHARD W. JACKSON, Scholar in Chemistry
HAZEL F. JONES, Scholar in History
HELEN L. JONES, Scholar in Classics
R. J. KAUFMANN, Fellow in Chemistry
LAURENCE EVERETT KLINE, Scholar in Economics
CLARENCE MARTIN KRETCHMER, Scholar in Business Organization and Operation
HARRY A. LAITY, Scholar in Economics
W. E. LEER, Scholar in Agronomy
VEDA LEONARD, Fellow in Zoology
DORA A. LOUGHEE, Fellow in Classics
JAMES E. MCCONKIE, Scholar in Chemistry
H. W. MANTER, Scholar in Zoology
HARRY M. MILLER, JR., Fellow in Zoology
GERALD E. MOORE, Scholar in Mathematics
KATHARINE OODEN, Fellow in Chemistry
G. HARRISON ORIONS, Scholar in English
AUDLEY EVERETT PATTON, Fellow in Economics
MARY ALICE PIERCE, Scholar in Romance Languages
BERNARD PAUL REINSCH, Fellow in Mathematics
WILLIAM H. ROBSON, Scholar in Economics
ARTHUR W. SECORD, Fellow in English
RUTH SHIRLEY, Scholar in Romance Languages
IDA L. SETTLE, Scholar in Mathematics
JUDITH K. SOLLENBERGER, Scholar in English
LYELL J. THOMAS, Fellow in Zoology
JOHN BRADFORD TITCHENER, Fellow in Classics
ROGER W. VALENTINE, Fellow in Economics
THOMAS A. WILSON, Fellow in Chemistry

UNIVERSITY HONORS

Awarded by the Faculty of the University

HONORS AT COMMENCEMENT

(June, 1922)

THE DEGREE OF A. B. WITH HONORS

College of Liberal Arts and Sciences

KARL CONANT BAUMGARDNER, in English
HELEN IRENE BUCKLER, in English
MAX GRIFFIN CARMAN, in Mathematics
GEORGE ELBERT EKBLAW, in Geology
CHARLES WRIGHT FORNOFF, in History
ALTA RUTH HAHN, in English
SIEGFRIED PAUL HARTER, in Botany

ROBERT CAREY HAYES, in History
LEIGH MONROE KAGY, in History
FANNIE KELLEY, in Classics
RALPH FREDERICK LESEMAN, in History
OETJE JOHN ROGGE, in Political Science
EDITH ELIZABETH SKEMP, in Philosophy
MARGARET IRENE STROHM, in Romance Languages

SPECIAL HONORS

College of Liberal Arts and Sciences

ARVID HENRY BERG, in Chemistry
HERBERT DUANE CARTER, in Chemical Engineering
RICHARD STONER FISHER, in Chemistry
FLOYD DAVID HAGER, in Chemistry
MORRIS HOWARD JOFFE, in Chemical Engineering
GEORGE ERNEST KELLER, in Chemical Engineering

WILBUR ARTHUR LAZIER, in Chemistry
MAURICE P. NOVAK, in Chemical Engineering
ARTHUR WILLIAM SLOAN, in Chemistry
JAMES REMINGTON SMITH, in Chemistry
ALBERT LOUIS TANNENBAUM,
in Chemical Engineering
JOHN BRADSHAW TAYLOR, in Chemical Engineering

FINAL HONORS

College of Liberal Arts and Sciences

JOHN ARTHUR ANDERSON, in Chemistry
CARL BECKER, JR., in Chemical Engineering
ARVID HENRY BERG, in Chemistry
FLOYD DAVID HAGER, in Chemistry
MORRIS HOWARD JOFFE, in Chemical Engineering

GEORGE ERNEST KELLER, in Chemical Engineering
ARTHUR WILLIAM SLOAN, in Chemistry
JAMES REMINGTON SMITH, in Chemistry
ALBERT LOUIS TANNENBAUM,
in Chemical Engineering
JOHN BRADSHAW TAYLOR, in Chemical Engineering

College of Commerce and Business Administration

FRIEDA BAIRD
KENNETH KEITH DUVALL
HORACE MONTGOMERY GRAY
HOWARD WILLIAM GRAY

JOSEPH ARTHUR KERRINS
HAROLD BAIN MYERS
WELDON POWELL
JOSEPH CHRISTY WALKER

RALPH COUGHENOUR JONES

College of Engineering

WILLIAM VICTOR BOWEN
IVAN BUNDY BRANHAM
ALBERT WILLIAM BREYFOGEL
JACK JOSEPH DEVORE
PAUL BROWNELLER DUSENBERRY
SAMUEL PHILIP GLASKOTER
DONALD ALTON HARRIS
ROBERT HELLESTERN HORNBACK
JOHN LLOYD HOWIE
RUSSEL MARION KERCHNER
IRWIN THEODORE LANDHY

WALLACE BRUCE MATHEWS
FREDERIC THEODORE MEWES
DONALD AUSTIN MONRO
RALPH EDMOND NAYLOR
ROGER RUSSELL O'CONNOR
WILLIAM HENRY RODGERS
AZEL L. RALPH SANDERS
LESTER SEELIG
ALFRED DELOS SINDEN
HERMAN WILLIAM STEIN
LAUBEN EVART TEGHTMEYER

DAVID HOWARD MASON

College of Agriculture

ROBERT BEACH BRYANT
NEAL DUNCAN
DAVID GRAFF HAYLETT
OLIVER KING LOOMIS
EDMUND ELLSWORTH VIAL
GEORGE ARTHUR BROWNE

CASPER HAUZER CONRAD
ELEANOR HOWE
KENNETH ARTHUR FORD
CARL FREDERICK GRUNEWALD
JOHN RICHARD WAGENSELLER
FLOYD LESLIE WINTER

GAGE GRIFFIN CARMAN

College of Education

ETHEL GOLDEN DYER
CHARLES ATHIEL HARPER

OSCAR FRIEDOLIN WEBER

LEONA LEMAY
RUTH WEBBER

Library School

MARIE MILLEA HOSTETTER

School of Music

BELLE LONGBONS

GRACE VAN DYKE MORE

PRIZES

The Francis John Plym Fellowship in Architecture

FLOYD WILLIAM RAY, 1921

American Institute of Architects Medal

EDWIN CHRISTOPHER BEKENDES

The Francis John Plym Prize for Architectural Engineers

HARFORD FIELD

The Scarab Competition in Architecture

WYLLIUM EVERETTE ARMANTROUT

The Schaefer Prize in Engineering

PAUL FREDERICK WITTE

The B'nai B'rith Prize

ABRAHAM LEWIS GLASER

The Phi Beta Kappa Prize

EDITH SKEMP

GEORGE ELBERT EKBLAW, Honorable Mention

SIEGFRIED PAUL HARTER, Honorable Mention

The Thatcher Howland Guild Memorial Prize

DONALD FRAZIER LAFUZE

HELEN IRENE BUCKLER, Honorable Mention

Conference Medal for Excellence in Scholarship and Athletics for the Year 1922

CHARLES F. CROSSLEY

The Chi Omega Prize in Sociology

TIERA FARROW

The English Poetry Prize

CHARLES E. NOYES, First Prize

HAROLD MCKINLEY MANN, Second Prize

Commissions as Lieutenants, Officers' Reserve Corps, U. S. A.

CLYDE WILLIAM READING
BOYD WILLARD BULLOCK
EDWARD AUGUSTUS CURTISS
ARTHUR DWIGHT CLAUSEN
THOMAS JAY DOUGLASS
THOMAS HENRY TULLY
DONALD ARDEAN TRIPP
LINGARD EUGENE WERRE
HARRY HEYNIS WILDEMAN
HAROLD FREDERICK DEAN
DAN ANDREW BRANIGAN

GEORGE VIGGO FALKENBERG
ARTHUR GUSTAVE HEIDMAN
CHARLES IMSE ROSE
RICHARD SMEJKAL
MYRON ALONZO SNELL
GEORGE SEARLES SPILVER
HALDANE WESLEY BEAN
FREDERICK WEIENNETT SCHAUB
LOUIS FRANK STUEBE
JOSEPH EUGENE AIKEN

Certification for Appointment in Officers' Reserve Corps

IRVING WOOD BARNETT

University Gold Medal

GORDON C. BUNGE

Hazleton Gold Medal

ADDISON P. CROWELL

SUMMARY OF DEGREES CONFERRED

1922

Degrees in the Graduate School		Total
A.M.	47	47
A.M.—(February 8, 1922)	5	5
A.M.—(August 12, 1922)	3	3
A.M.—(October 20, 1922)	9	9
M.S.	44	44
M.S.—(February 8, 1922)	11	11
M.S.—(August 12, 1922)	13	13
M.S.—(October 20, 1922)	10	10
M. Arch.	1	1
C.E.	6	6
E.E.	3	3
M.E.	1	1
Ph.D.	30	30
Ph.D.—(February 8, 1922)	2	2
Ph.D.—(August 12, 1922)	3	3
Ph.D.—(October 20, 1922)	4	4
TOTAL, GRADUATE SCHOOL	192	192
Degrees in Liberal Arts and Sciences		
A.B.—(with thesis)	36	36
A.B.—(without thesis)	209	209
A.B.—(February 8, 1922)	13	13
A.B.—(August 12, 1922)	15	15
A.B.—(October 20, 1922)	26	26
A.B.—Home Economics	32	32
A.B.—Home Economics (February 8, 1922)	1	1
A.B.—Home Economics (October 20, 1922)	1	1
B.S.—Liberal Arts	15	15
B.S.—Liberal Arts (with thesis)	2	2
B.S.—Liberal Arts (February 8, 1922)	2	2
B.S.—Liberal Arts (October 20, 1922)	2	2
B.S.—Chemistry	25	25
B.S.—Chemistry (February 8, 1922)	3	3
B.S.—Chemistry (August 12, 1922)	4	4
B.S.—Chemistry (October 20, 1922)	2	2
B.S.—Chemical Engineering (with thesis)	34	34
B.S.—Chemical Engineering (August 12, 1922)	2	2
B.S.—Chemical Engineering (October 20, 1922)	3	3
B.S.—Home Economics	4	4
B.S.—Home Economics (February 8, 1922)	1	1
TOTAL, LIBERAL ARTS AND SCIENCES	430	430
Degrees in Commerce and Business Administration		
A.B.	1	1
B.S.	190	190
B.S.—(February 8, 1922)	14	14
B.S.—(August 12, 1922)	12	12
B.S.—(October 20, 1922)	18	18
TOTAL, COMMERCE AND BUSINESS ADMINISTRATION	235	235
Degrees in Engineering		
B.S.—Architecture	11	11
B.S.—Architecture (February 8, 1922)	1	1
B.S.—Architecture (October 20, 1922)	2	2
B.S.—Architectural Engineering	16	16
B.S.—Architectural Engineering (October 20, 1922)	1	1
B.S.—Ceramic Engineering	6	6
B.S.—Civil Engineering	56	56
B.S.—Civil Engineering (February 8, 1922)	3	3

B.S.—Civil Engineering (October 20, 1922).....	2
B.S.—Electrical Engineering.....	52
B.S.—Electrical Engineering (February 8, 1922).....	3
B.S.—Mechanical Engineering.....	54
B.S.—Mechanical Engineering (February 8, 1922).....	4
B.S.—Mechanical Engineering (October 20, 1922).....	2
B.S.—Mining Engineering.....	11
B.S.—Municipal and Sanitary Engineering.....	2
B.S.—Railway Civil Engineering.....	1
B.S.—Railway Civil Engineering (October 20, 1922).....	2
B.S.—Railway Electrical Engineering.....	4
B.S.—Railway Electrical Engineering (October 20, 1922).....	2
B.S.—Railway Mechanical Engineering.....	2
TOTAL, ENGINEERING.....	237
Degrees in Agriculture	
B.S.—(with thesis).....	7
B.S.—(without thesis).....	111
B.S.—(February 8, 1922).....	11
B.S.—(October 20, 1922).....	14
B.S.—Floriculture.....	3
B.S.—Floriculture (February 8, 1922).....	1
B.S.—Landscape Gardening.....	17
B.S.—Home Economics.....	16
B.S.—Home Economics (February 8, 1922).....	3
TOTAL, AGRICULTURE.....	183
Degrees in Law	
LL.B.....	23
LL.B.—(February 8, 1922).....	4
LL.B.—(October 20, 1922).....	1
J.D.....	3
TOTAL, LAW.....	31
Degrees on Library Science	
B.L.S.....	9
TOTAL, LIBRARY SCIENCE.....	9
Degrees in Music	
B.Mus.....	7
TOTAL, MUSIC.....	7
Degrees in Education	
B.S.....	48
B.S.—(February 8, 1922).....	7
B.S.—(August 12, 1922).....	13
B.S.—(October 20, 1922).....	8
TOTAL, EDUCATION.....	76
TOTAL, COLLEGES AND SCHOOLS AT URBANA.....	1400
Degrees in Medicine	
B.S.....	64
B.S.—(February 8, 1922).....	4
M.D.....	56
TOTAL, MEDICINE.....	124
Degrees in Dentistry	
D.D.S.....	29
D.D.S.—(October 20, 1922).....	13
B.S.....	1
TOTAL, DENTISTRY.....	43
Degrees in Pharmacy	
Ph.G.....	45
TOTAL, PHARMACY.....	45
TOTAL, COLLEGES AND SCHOOLS IN CHICAGO.....	212
GRAND TOTAL.....	1612

SUMMARY OF OFFICERS

BY COLLEGES AND SCHOOLS

1922-1923

OFFICERS OF INSTRUCTION

COLLEGES, SCHOOLS, AND DEPARTMENTS	PROFESSORS		ASSOCIATE PROFESSORS		ASSISTANT PROFESSORS		ASSOCIATES	
	Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.
Liberal Arts and Sciences.....	51	..	17	..	34	1	15	2
Commerce and Business Admin- istration.....	7	..	5	..	4	..	1	1
Engineering.....	30	..	8	..	32	..	14	..
Agriculture.....	20	1	5	..	23	3	24	7
Music.....	2	..	1	..	1	..	3	..
Education.....	4	..	4	..	2	..	7	..
Law.....	7	..	..	..	..	..	..	..
Library.....	1	..	..	..	1	1	..	3
Military.....	1	..	3	..	13	..	5	..
Physical Education.....	3	1	..	..	..	2	4	1
<i>Totals at Urbana</i>	126	2	43	..	110	7	73	14
Medicine.....	27	..	22	1	18	..	23	..
Dentistry.....	12	..	3	..	9	..	5	..
Pharmacy.....	3	..	..	..	1	..	..	..
<i>Totals in Chicago</i>	42	..	25	1	28	..	28	..
TOTALS IN UNIVERSITY	168	2	68	1	138	7	101	14

OFFICERS OF ADMINISTRATION

General.....	..
Library.....	..

TOTAL, INSTRUCTIONAL AND ADMINISTRATIVE.....

Deduct Duplicates:

Instructional Officers holding Administrative Positions.....	..
Instructional Officers in Chicago holding more than one Position.....	..

NET TOTAL IN UNIVERSITY

SUMMARY OF OFFICERS

BY COLLEGES AND SCHOOLS

1922-1923

SPECIAL LECTURERS		INSTRUCTORS		ASSISTANTS		STUDENT ASSISTANTS		TOTALS		TOTAL Total
Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.	
..	..	33	13	128	62	..	..	278	78	356
..	..	12	..	39	..	..	..	68	1	69
..	..	35	1	41	..	4	..	164	1	165
..	..	9	6	26	3	1	2	108	22	130
..	..	2	6	..	1	..	..	9	7	16
..	..	9	7	1	1	..	..	27	8	35
..	7	..	7
..	1	..	1	..	..	2	6	8
..	1	..	35	..	58	..	58
..	..	1	4	1	1	1	..	10	9	19
..	..	101	38	237	69	41	2	731	132	863
4	..	39	5	40	3	..	..	173	9	182
2	2	21	4	6	3	..	..	58	9	67
..	..	4	..	4	1	..	..	12	1	13
6	2	64	9	50	7	..	..	243	19	262
6	2	165	47	287	76	41	2	974	151	1125
.....	42	3	45
.....	3	38	41
.....	1019	192	1210
.....	23	1	24
.....	24	1	25
.....	972	190	1161

SUMMARY OF STUDENTS

1922-1923

College and Course	Seniors			Juniors			Sophomores		
	Men	Wom.	Total	Men	Wom.	Total	Men	Wom.	Total
LIBERAL ARTS AND SCIENCES									
General	79	190	269	92	256	348	121	304	425
Journalism	12	11	23	17	9	26	26	12	38
Preparatory to Law	7	.....	7	11	.....	11	33	1	34
Economic Entomology	.....	.....	.....	.....	.....	.....	.....	.....	.....
Preparatory to Medicine	6	.....	6	12	1	13	68	2	70
Home Economics	.....	49	49	.....	55	55	.....	55	55
Chemistry	27	3	30	23	2	25	7	.....	7
Chemical Engineering	48	1	49	28	.....	28	28	.....	28
TOTAL	179	254	433	183	323	506	283	374	657
COMMERCE									
General Business	177	9	186	222	16	238	279	28	307
Commercial and Civic Secretary	.....	2	2	.....	.....	.....	.....	2	2
Banking	23	1	29	16	1	17	18	.....	18
Insurance	.....	.....	.....	5	.....	5	1	.....	1
Accountancy	49	.....	49	60	3	63	57	2	59
Railway Administration	4	.....	4	3	.....	3	4	.....	4
Railway Transportation	.....	.....	.....	2	.....	2	.....	.....	.....
Commercial Teachers	.....	1	1	1	3	4	.....	.....	.....
Foreign Commerce	10	.....	10	14	.....	14	21	1	22
Industrial Administration	40	.....	40	50	.....	50	43	.....	43
Commerce and Law	.....	.....	.....	5	.....	5	21	.....	21
TOTAL	308	13	321	378	23	401	444	33	477
EDUCATION									
General	16	39	55	23	51	74	.....	.....	.....
Athletic Coaching	26	.....	26	35	.....	35	52	.....	52
Smith-Hughes Agriculture	14	.....	14	7	.....	7	.....	.....	.....
Smith-Hughes Home Economics	.....	9	9	.....	13	13	.....	.....	.....
Industrial	2	1	3	5	.....	5	2	.....	2
Public School Music	.....	1	1	.....	.....	.....	.....	.....	.....
TOTAL	58	50	108	70	64	134	54	.....	54
ENGINEERING									
Architecture	16	2	18	14	2	16	15	1	16
Architectural Engineering	22	.....	22	24	.....	24	19	.....	19
Ceramic Engineering	12	1	13	16	.....	16	20	.....	20
Civil	54	.....	54	65	.....	65	49	.....	49
Electrical	51	.....	51	70	.....	70	74	.....	74
General Engineering	8	.....	8	17	.....	17	34	.....	34
Mechanical	84	.....	84	76	.....	76	50	.....	50
Mining	10	.....	10	12	.....	12	17	.....	17
Municipal and Sanitary	2	.....	2	4	.....	4	4	.....	4
Railway Civil	3	.....	3	3	.....	3	7	.....	7
Railway Electrical	4	.....	4	6	.....	6	16	.....	16
Railway Mechanical	1	.....	1	3	.....	3	1	.....	1
General Engineering Physics	2	.....	2	4	.....	4	1	.....	1
TOTAL	269	3	272	314	2	316	307	1	308
AGRICULTURE									
General	147	3	150	122	2	124	121	1	122
Farm Org. and Management	4	.....	4	3	.....	3	8	.....	8
Floriculture	2	.....	2	2	.....	2	3	.....	3
Landscape Gardening	12	4	16	6	4	10	9	3	12
Home Economics	.....	22	22	.....	21	21	.....	21	21
Special Vocational	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL	165	29	194	133	27	160	141	25	166
MUSIC									
.....	.....	8	8	2	9	11	.....	16	16
TOTAL, UNDERGRADUATES	979	357	1336	1080	448	1528	1229	449	1678
LAW									
.....	Fourth Year			Third Year			Second Year		
3-year course	.....	.....	.....	14	.....	14	36	.....	36
4-year course	.....	.....	.....	1	.....	1	7	.....	7
TOTAL	.....	.....	.....	15	.....	15	43	.....	43
LIBRARY									
TOTAL, UNDERGRADUATE AND PROFESSIONAL STUDENTS AT URBANA	.....	.....	.....	.....	.....	.....	8	.....	8
GRADUATE SCHOOL									
Deduct Duplicates ⁴	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL AT URBANA, WINTER SESSION									

SUMMARY OF STUDENTS

1922-1923

Freshmen			Irregular ¹			Unclassified			Soldier Special ²	Vocational Special ³	Totals		
Men	Wom.	Total	Men	Wom.	Total	Men	Wom.	Total			Men	Wom.	Total
266	527	793	1	4	5	13	32	45	....	....	572	1313	1885
57	22	79	....	1	1	1	....	1	....	....	113	55	168
101	2	103	....	....	....	....	....	....	....	....	152	3	155
1	....	1	....	....	....	....	....	....	....	....	1	....	1
119	8	127	....	....	....	3	....	3	....	....	208	11	219
....	98	98	....	1	1	....	3	3	....	....	....	261	261
16	2	18	....	....	....	3	....	3	....	....	76	7	83
58	....	58	....	....	....	....	....	....	....	....	162	1	163
618	659	1277	1	6	7	20	35	55	....	....	1284	1651	2935
675	61	736	1	....	1	15	4	19	....	....	1369	118	1487
1	2	3	....	....	....	....	....	....	....	....	1	6	7
16	....	16	....	....	....	....	....	....	....	....	78	2	80
3	....	3	....	....	....	....	....	....	....	....	9	....	9
51	3	54	....	....	....	4	....	4	....	....	221	8	229
4	....	4	....	....	....	1	....	1	....	....	16	....	16
3	....	3	....	....	....	....	....	....	....	....	5	....	5
....	....	....	....	....	....	....	1	1	....	....	1	5	6
25	....	25	....	....	....	1	....	1	....	....	71	1	72
47	....	47	....	....	....	3	....	3	....	....	183	....	183
27	1	28	....	....	....	1	....	1	....	....	54	1	55
852	67	919	1	....	1	25	5	30	....	....	2008	141	2149
....	....	....	3	2	5	6	4	10	....	....	48	96	144
132	....	132	....	....	....	16	....	16	....	....	261	....	261
....	....	....	1	....	1	1	....	1	....	....	23	....	23
....	....	....	....	1	1	....	....	....	....	....	....	23	23
5	....	5	....	....	....	....	....	....	....	....	14	1	15
....	....	....	....	....	....	....	....	....	....	....	....	1	1
137	....	137	4	3	7	23	4	27	....	....	346	121	467
54	2	56	....	....	....	3	....	3	1	....	103	7	110
50	....	50	1	....	1	2	....	2	....	....	118	....	118
24	....	24	1	....	1	....	....	....	....	....	73	1	74
123	....	123	2	....	2	5	....	5	....	....	298	....	298
147	....	147	1	....	1	1	....	1	....	....	344	....	344
38	....	38	....	....	....	....	....	....	....	....	97	....	97
112	....	112	....	....	....	3	....	3	....	....	325	....	325
25	....	25	1	....	1	1	....	1	....	....	66	....	66
4	....	4	....	....	....	....	....	....	1	....	15	....	15
5	....	5	1	....	1	....	....	....	....	....	19	....	19
5	....	5	....	....	....	....	....	....	....	....	31	....	31
5	....	5	....	....	....	....	....	....	....	....	10	....	10
3	....	3	....	....	....	....	....	....	....	....	10	....	10
595	2	597	7	....	7	15	....	15	2	....	1509	8	1517
212	1	213	....	1	1	27	6	33	....	....	620	14	643
3	....	3	....	....	....	1	....	1	....	....	19	....	19
8	1	9	....	....	....	3	....	3	....	....	18	1	19
19	7	26	1	....	1	2	....	2	....	....	49	18	67
....	40	40	....	....	....	....	4	4	....	....	....	108	108
....	....	....	....	....	....	....	....	....	....	22	22	....	22
242	49	291	1	1	2	33	10	43	....	22	737	141	878
3	53	56	5	4	9	3	16	19	....	....	13	106	119
2447	830	3277	19	14	33	119	70	189	2	22	5897	2168	8065
First Year													
65	3	68	....	....	....	3	1	4	....	....	118	4	122
12	....	12	....	....	....	....	....	....	....	....	20	....	20
77	3	80	....	....	....	3	1	4	....	....	138	4	142
2	31	33	....	....	....	1	7	8	....	....	3	46	49
....	....	....	....	....	....	....	....	....	....	....	6038	2218	8256
....	....	....	....	....	....	....	....	....	....	....	492	120	612
....	....	....	....	....	....	....	....	....	....	....	27	4	31
....	....	....	....	....	....	....	....	....	....	....	6503	2334	8837

SUMMER SESSION

Undergraduates	
Graduates	
TOTAL, SUMMER SESSION	
Deduct Duplicates ¹	
Net Total, (Summer Session only)	
TOTAL AT URBANA TO MARCH 9, 1923	

MEDICINE (Chicago)	(Fifth Year) ⁵	Fourth Year			Third Year		
Graduate work in Medical Science							
Curriculum in Medicine	(54 4 58)	82	4	86	97	3	100
Deduct Duplicates ⁷							
TOTAL, MEDICINE							
DENTISTRY (Chicago)		47	2	49	69	1	70
PHARMACY (Chicago)							
TOTAL IN CHICAGO							
TOTAL IN UNIVERSITY TO MARCH 9, 1923							

¹Students holding bachelor's degrees but doing undergraduate work.²Discharged soldiers and sailors admitted by special provision.³Sub-collegiate students under the auspices of the Federal Board for Vocational Education.⁴Individuals who were registered part of the year as graduate students and part of the year as undergraduate students.⁵Fifth-year students are internes and are not counted as resident students and are not included in total.⁶Summer students who registered also during the following winter session.⁷Students registered for the regular curriculum in Medicine and also doing graduate work in medical science.

[illegible]

DIRECTORY OF ALUMNI ASSOCIATIONS

GENERAL ALUMNI ASSOCIATION

"Begins where your student life ended"

Office: 358 Administration Building, University of Illinois, Urbana—Champaign

Official Publication: Illinois Alumni News, 358 Administration Building.

Editor: Carl Stephens, '12.

President: E. E. Barrett, '93, 1110 Wrigley Bldg., Chicago

Treasurer and Business Manager: C. J. Rosebery, '05, 358 Administration Building, Urbana

Secretary, and Editor of Publications: Carl Stephens, '12, 358 Administration Building, Urbana

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Secretary: Dr. Marshall Davison, '20, 2320 Jackson boulevard, Chicago

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Secretary: Josie B. Houchens, '05, University of Illinois Library, Urbana

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Secretary: Harold D. Swain, '22, 5954 W. Huron street, Chicago

The Alumni Association of the School of Pharmacy

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Secretary: Ben. L. Eicher, '11, Berwyn

LOCAL ALUMNI ASSOCIATIONS

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BIRMINGHAM: Birmingham Illini Club

President: Elmer Leopold

Secretary: Mrs. E. H. Webster, '21, 1426 N. 32nd street

Arizona

The Arizona Illini Club

Secretary: Julia Threlkeld, '15, 1114 East Van Buren, Phoenix

California

SAN FRANCISCO: The Golden Gate Alumni Association of the University of Illinois

President: T. L. Haines, '12, 636 Pacific building

Secretary: C. W. Fender, '10, 2632 College avenue, Berkeley

Southern California

The University of Illinois Alumni Association of Southern California

President: C. E. Noerenberg, '07, 1751 Buckingham road, Los Angeles

Secretary: J. D. White, '02, 2006 West Bronson, Hollywood

Colorado

DENVER: The Denver Illini Club

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Secretary: C. P. Griffith, '14, 823 East 10th avenue

PUEBLO: Pueblo Illini Club

President: James G. Elliott, '08, 2501 Greenwood street

Secretary: Mary McNally, '15, Carlisle Place

District of Columbia

WASHINGTON: University of Illinois Club of Washington

President: Frank White, '80, 1869 Wyoming avenue

Secretary: Geo. S. Ward, '10, 211 Metropolitan Bank Bldg.

Florida

JACKSONVILLE:

Secretary: Madge K. Gundy, '09, % Duval High School

Georgia

ATLANTA: Atlanta Illini Club

President: W. Woods White, ex-'78, 32 Howard Street

Secretary: C. E. Trout, '17, 439 Peachtree street

Illinois

ADAMS COUNTY: Adams County Illini Club

President: T. E. Musselman, '10, 124 South 24th street

Secretary: Jessie D. Brakensick, '09, Quincy

ALEXANDER AND PULASKI COUNTIES:

President: Taylor C. Clendenen, ex-'77, 811 26th street, Cairo

Secretary: Walter B. Warder, ex-'75, 2315 Holbrook avenue, Cairo

- AURORA:** Aurora Illini Club
 President: W. B. Greene, '08, 737 Garfield avenue
 Secretary: Clifford Gould, '21, 441 Prairie avenue
- BELLEVEILLE:** The Illini Club of Belleville
 President: Wilbur Krebs, '16, 211 South High street
 Secretary Herman Wangelin, ex-'11, 301 Abend street
- BOND COUNTY:** Bond County Illini Club
 President: John D. Biggs, '11, Greenville
- BOONE COUNTY:** The Illini Club of Boone County
 President: R. W. Waugh, '08, Belvidere
 Secretary: Esther Sexauer, ex-'23, Belvidere
- BROWN COUNTY:** The Brown County Illini Club
 President: H. G. Vandeventer, ex-'97, Mt. Sterling
 Secretary: Mrs. E. F. Crane, ex-'10, Mt. Sterling
- BUREAU COUNTY:** Bureau County Illini Club
 President: Karl B. Seibel, '04, Princeton
 Secretary: Eckels Palmer, ex-'12, Princeton
- CASS COUNTY:** The Cass County Illini Club
 President: Epler C. Mills, '20, Virginia
 Secretary: Lester Edwards, ex-'21, Ashland
- CHAMPAIGN COUNTY:** The Champaign County Illini Club
 President: Roger Little, '07, 606 Chalmers street, Champaign
 Secretary: George Chapin, '06, 603 West Green street, Urbana
- CHICAGO:** The Illini Club of Chicago
 President: Nuel D. Belnap, '14, 1623 First Nat'l. Bank Bldg.
 Secretary: Benjamin Wham, '15, 208 S. LaSalle street
- CHICAGO:** The Chicago Illinae Club
 President: Margaret Fitzpatrick, '19, 6033 Eberhart avenue, Chicago
 Secretary: Harriet Fera, '21, 841 Crescent place, Chicago.
- CHRISTIAN COUNTY:** Illini Club of Christian County
 President: Troy Long, '05, Taylorville
 Secretary: C. E. Hay, '13, Taylorville
- CLARK COUNTY:** The Clark County Illini Club
 President: O. R. Clements, '14, Marshall
- CLINTON COUNTY:** Clinton County Illini Club
 President: Paul V. Schaefer, '09, Carlyle
 Secretary: Charles Rehling, '15, Bresse
- COLES COUNTY:** Illini Club of Coles County
 President: C. H. Fletcher, '13, Lindley building, Mattoon
 Secretary: Lois Scott, '19, 1416 Edgar avenue, Mattoon
- CRAWFORD COUNTY:** Crawford County Illini Club
 President: W. W. Arnold, '01, Robinson
 Secretary: Mrs. Jessie Mail, Robinson
- CUMBERLAND COUNTY:** The Cumberland County Illini Club
 President: Louis K. Voris, ex-'06, Neoga
 Secretary: C. B. Price, '16, Toledo
- DECATUR:** Decatur Illini Club
 President: J. H. Powers, '17, 210 Standard Life building
 Secretary: L. N. Fisher, '12, 1177 W. Forest avenue
- DE KALB COUNTY:** De Kalb County Illini Club
 President: William J. Fulton, '98, Daniel Pierce building, Sycamore
 Secretary: L. B. Smith, '08, Court House, Sycamore
- DIXON:** The Dixon Illini Club
 President: Betty Wingert, '21, 608 North Dixon avenue
 Secretary: Clara Armington, '18, 717 Hennepin avenue
- DOUGLAS COUNTY:** Douglas County Illini Club
 President: B. M. Van Voorhis, ex-'07, Tuscola
 Secretary: Constance Fuller, '22, Tuscola
- DU PAGE COUNTY:** Du Page County Illini Club
 President: F. W. Von Oven, '98, Naperville
 Secretary: H. H. Kirkpatrick, '97, West Chicago
- EDGAR COUNTY:** Edgar County Illini Club
 President: Henry F. Crosby, '16, Farm Bureau, Paris
 Secretary: Flavia McCallister, '21, 132 East Madison street, Paris
- EFFINGHAM COUNTY:** Effingham County Illini Club
 President: Albert W. Wenthe, Effingham
 Secretary: J. L. Gardner, '11, Effingham
- FARMER CITY:** The Farmer City Illini Club
 President: Grover Watson, '14, Farmer City
- FORD COUNTY:** Ford County Illini Club
 President: Frank Herman, '09, Gibson City
 Secretary: Caryl Strauss, ex-'21, 114 North Church street, Gibson City
- FRANKLIN COUNTY:** Franklin County Illini Club
 President: C. B. Mautz, ex-'10, Benton
 Secretary: Pauline Frier, 21, Benton
- FREEPORT:** Freeport Illini Club
 President: Louis Mensenkamp, '16, 521 Cottonwood street
 Secretary: W. Edwin Dildine, ex-'20, 815 W. Lincoln avenue
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 President: H. S. Boyd, '00, Lewistown
 Secretary: F. A. Perkins, '01, Canton
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 President: Dr. R. C. Bates, '08, Roodhouse
 Secretary: E. M. Phillips, '04, Carrolton

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 President: A. P. Macdonald, '16, Morris
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 Secretary: Mrs. L. S. Foote, '18, Carthage
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 President: F. M. Bane, '15, Stronghurst
 Secretary: Genevieve Adair, Stronghurst
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 President: C. A. Melin, '05, Cambridge
 Secretary: Ella M. Record, ex-'19, Cambridge
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 President: Nathan P. Goodell, '88, Loda
 Secretary: Lucy C. Bradrick, '13, 302 North 5th Street, Watseka
- JACKSON COUNTY:** Jackson County Illini Club
 President: LeRoy Stewart, '11, Murphysboro
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 President: J. H. Pursifall, '09, Newton
 Secretary: Lawrence E. Shup, '18, Newton
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 President: W. T. Sumner, ex-'97, Jerseyville
 Secretary: Fred A. Du Hadway, '15, Jerseyville
- KANKAKEE COUNTY:** Kankakee County Illini Club
 President: F. W. Swannell, ex-'08, 153 North Indiana avenue, Kankakee
 Secretary: H. J. Troup, ex-'13, 667 South Chicago avenue, Kankakee
- KNOX COUNTY:** Knox County Illini Club
 President: J. Grant Beadle, '08, Galesburg
 Secretary: Mrs. Edith B. Carper, '09, 514 Johnston street, Galesburg
- LAKE COUNTY:** Lake County Illini Club
 President: A. L. Hall, '12, 233 Washington street, Waukegan
 Secretary: Dorothy Dunn, '19, 520 County street, Waukegan
- LIVINGSTON COUNTY:** Livingston County Illini Club
 President: Alvin Anderson, '20, Pontiac
 Secretary: Jessie McHarry, '11, Pontiac
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 President: W. C. Handlin, '09, 326 Pekin street, Lincoln
 Secretary: W. P. Kuhl, '10, 106 Marion street, Lincoln
- MCDONOUGH COUNTY:** The McDonough County Illini Club
 President: T. W. Everett, ex-'15, Bushnell
 Secretary: Fred Terrill, '08, Colchester
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 President: J. O. Tupper, '16, Harvard
 Secretary: A. M. Shelton, '03, Woodstock
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 President: H. K. Dick, '14, 30 White place, Bloomington
 Secretary: H. Fahrnkopf, '13, Farm Bureau, Bloomington
- MADISON COUNTY:** Illini Club of Madison County
 President: Harold Boeschstein, '20, 301 East 12th street, Alton
 Secretary: Mrs. C. R. Beall, '19, 401 East 12th street, Alton
- MARION COUNTY:** Marion County Illini Club
 President: Fred L. Wham, '09, Centralia
 Secretary: Margaret Weldon, Centralia
- MARSHALL COUNTY:** Marshall County Illini Club
 President: Dr. T. C. Coggsal, '04, Henry
 Secretary: Paul Grieves, ex-'09, Lacon
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 President: L. K. Ellsberry, '10, Havana
 Secretary: F. I. Mitchell, ex-'19, Havana
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 President: Eugene A. McCall, '01, Metropolis
 Secretary: W. P. Bunn, ex-'97, Metropolis
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 President: Henry E. Pond, '05, Petersburg
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 Secretary: Mrs. Alden Snyder, '11, Hillsboro
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 President: Harlan Williamson, '19, 222 East street, Jacksonville
 Secretary: Mrs. Ray Scott, Jacksonville
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 President: J. L. McLaughlin, '09, Sullivan
 Secretary: Charlotte Baker, '11, Sullivan
- NORTHWESTERN ILLINOIS:** The Illini Club of Northwestern Illinois
 President: J. H. Samuels, '88, 2515 6th avenue, Moline
 Secretary: Nels A. Larson, '03, 1339 15th street, Moline
- OGLE COUNTY:** Ogle County Illini Club
 President: S. W. Crowell, ex-'92, Oregon
 Secretary: Alice Thomas, '21, Mt. Morris
- PEORIA:** Peoria Illini Club
 Secretary: Harris J. Harman, 144 Fredonia avenue

- PERRY COUNTY:** Perry County Illini Club
 President: Catherine E. Parks, '17, DuQuoin
 Secretary: Hiley Ward, '21, 22 Mulberry street, DuQuoin
- PIATT COUNTY:** Piatt County Illini Club
 President: Burl A. Edie, '20, Monticello
 Secretary: Charles McIntosh, ex-'99, Monticello
- PIKE COUNTY:** Pike County Illini Club
 President: Clarence Williams, ex-'13, Pittsfield
 Secretary: Otis Kercher, '14, Pittsfield
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 President: L. F. Hachman, ex-'17, Sparta
- RICHLAND COUNTY:** Richland County Illini Club
 President: A. J. Wharf, '98, Olney
 Secretary: H. B. Piper, '13, Olney.
- ROCKFORD:** Rockford Illini Club
 President: O. O. McLeish, '21, 628 John street
 Secretary: W. H. Anderson, ex-'20, 218 South Court street
- SALINE COUNTY:** Saline County Illini Club
 President: Lana Weaver, '10, Harrisburg
 Secretary: Mrs. Myrtle Combe, '09, Harrisburg
- SCHUYLER COUNTY:** Schuyler County Illini Club
 President: Paul W. Morning, Rushville
 Secretary: J. A. Thompson, '05, Rushville
- SCOTT COUNTY:** Scott County Illini Club
 President: Mrs. R. H. Allan, ex-'17, Winchester
 Secretary: Isabelle Smithson, ex-'24, Winchester
- SHELBY COUNTY:** Shelby County Illini Club
 President: J. K. Hoagland, '99, Clarksburg
- SPRINGFIELD:** The Springfield Illini Club
 President: A. H. Gottschalk, '19, 414 West Edwards street
 Secretary: Russell B. Liedel, '17, 721 S. Douglas avenue
- STREATOR:** Streator Illini Club
 President: T. L. Boys, '11, 308 East Kent street
 Secretary: Lester Kern, care of C. S. Cray Co.
- TAZEWELL COUNTY:** Tazewell County Illini Club
 President: Prettyman, '04, Pekin
 Secretary: R. J. Railsback, '99, Hopedale
- VERMILION COUNTY:** Vermilion County Illini Club
 Secretary: Mabel A. Bredehoft, '09, 309 Walnut street, Danville
- WARREN COUNTY:** Warren County Illini Club
 President: Ralph R. Wells, '12, Monmouth
 Secretary: Mrs. Frank Stewart, '18, Princeville
- WASHINGTON COUNTY:** Washington County Illini Club
 President: B. B. Holston, '94, Greenville
 Secretary: Ruth Bernreuter, '20, Nashville
- WHITESIDE COUNTY:** Whiteside County Illini Club
 President: Carl Sheldon, '99, Sterling
 Secretary: D. E. Buyers, '12, Sterling
- WILL COUNTY:** Will County Illini Club
 President: August Maue, '91, 212 Sherman street, Joliet
 Secretary: Geraldine Daly, '18, 201 South Center street, Joliet
- WILLIAMSON COUNTY:** Williamson County Illini Club
 Secretary: Mary Belle Warder, Marion

Indiana

- FORT WAYNE:** Illini Club of Fort Wayne
 President: F. D. Preston, '10, 321 Farmers Trust building
 Secretary: Mary M. Hopkins, '11, 1002 Columbia avenue
- INDIANAPOLIS:** Indianapolis Illini Club
 President: W. T. MacDonald, '10, 305 Merchants Bank Bldg.
 Secretary: S. C. Hadden, '05, 702 Wulsin Bldg.
- LAFAYETTE:** Lafayette Illini Club
 President: A. P. Foorman, '07, 329 Russell street, Lafayette
 Secretary: J. R. Shulters, '10, 814½ Columbia street

Iowa

- IOWA CITY:** Iowa City Illini Club
 President: Professor H. Olin, '14, University of Iowa
 Secretary: Jean Richmond, '18, 323 North Linn street
- DES MOINES:** Des Moines Illini Club
 President: H. L. Tillson, ex-'14, 1112 29th street

Kansas

- LAWRENCE:** Lawrence Illini Club
 President: George Clark, '16, University of Kansas
 Secretary: Margaret Barto, '17, 1047 Kentucky street
- MANHATTAN:** Manhattan Illini Club
 President: Mrs. J. E. Ackert, '12, 1605 Humboldt
- TOPEKA:** Topeka Illini Club
 Secretary: Clemma E. Bollard, ex-'18, 1419 College avenue
- WICHITA:** Wichita Illini Club
 President: Dr. L. F. Bowman, '12, 115 South Volusia avenue
 Secretary: H. S. Mueller, '14, 1631 Fairview avenue

Kentucky

LOUISVILLE: Louisville Illini Club

President: A. B. Sawyer, '10, Beech Spring Farm, St. Matthews, Ky.

Secretary: F. L. Morgan, '12, 1110 Cherokee Road

Massachusetts

THE NEW ENGLAND ILLINI CLUB

Vice-President: Laura Gibbs, '02, 142 Berkeley street

Michigan

DETROIT: Detroit Illini Club

President: C. B. McGrew, '13, 5068 Fernwood avenue

Secretary: L. M. Bauer, '14, 233 John R. street

Minnesota

ILLINI CLUB OF THE NORTHWEST

President: Q. A. Hall, '07, 212 Metropolitan Blk. Bldg., St. Paul

Secretary: H. S. Reid, '18, 834 Ashland avenue, St. Paul

Missouri

KANSAS CITY: Kansas City Illini Club

President: C. R. Nickolls, '17, 3334 Bellefontaine avenue

Secretary: E. A. Sandler, '20, Banker's Mortgage Co., 100 New York Life Bldg.

KANSAS CITY: Kansas City Illinae Club

President: Violet Boyle, '21, 1020 McLee street

Secretary: Mrs. C. R. Nickolls, '17, 3334 Bellefontaine avenue

ST. LOUIS: St. Louis Illini Club

President: W. C. Ropiquet, '14, 1720 Boatmen's Bank Bldg.

Secretary: L. E. Mier, '14, 7208 S. Broadway

ST. LOUIS: St. Louis Illinae Club

President: Mrs. W. C. Ropiquet, '15, 12 Oak Terrace, Webster Groves

Secretary: Mrs. Edward Brinkman, 2651 Olive street

STODDARD COUNTY: The Stoddard County Illini Club

President: Lewis E. Montgomery, ex-'15, Dexter

Secretary: J. E. Dunn, '06, Dexter

New York

BUFFALO: The Buffalo Illini Club

President: Dr. John A. Miller, '85, 176 Norwood avenue

Secretary: Dan M. Rugg, '10, 21 Manchester place

ITHACA: The Illini Club of Ithaca

President: W. L. Williams, ex-'79, 115 Valentine place

Secretary: O. A. Johannsen, '94, 203 Parkway, Cayuga Heights

NEW YORK: New York City Illini Club

President: James F. Brown, '13, 120 Broadway

Secretary: H. C. Brown, '08, 30 Church street

SCHENECTADY: The Schenectady Illini Club

President: B. G. Hatch, '19, Lighting Dept., General Electric Co.

North Dakota

AGRICULTURAL COLLEGE: Agricultural College Illini Club

President: E. S. Keene, '90, School of Mechanic Arts

Secretary: I. W. Smith, '08, 1126 13th street, Fargo, N. D.

VALLEY CITY: Valley City Illini Club

President: Eugene McFarland, '12

Secretary: Ina Robertson, '21, State Teachers' College

Ohio

AKRON: Akron Illini Club

Secretary: Mrs. Chester Graham, '20, 213 Crescent drive

CINCINNATI: Dr. H. M. Goodyear, '13, in charge, 8 East Eighth street

CLEVELAND: Cleveland Illini Club

President: M. D. Jones, '15, 18024 Olympia Road

Secretary: T. W. Dieckmann, '15, 1273 Beach Court

COLUMBUS: Columbus Illini Club

President: J. S. Coffey, '12, Judging Pavilion, Ohio State University

Oklahoma

MUSKOGEE: Muskogee Illini Club

President: Percy Gumm, '10, Metropolitan building

Secretary: Forrest Bebb, '16, 310 West Broadway

OKLAHOMA CITY: Oklahoma City Illini Club

President: F. P. Knight, ex-'18, 901 W. Grand avenue

OKMULGEE: Illini Club of Okmulgee

President: W. H. Fursman, '04, 610 South Okmulgee avenue

Secretary: I. H. Cox, '08, 620 South Okmulgee avenue

TULSA: The Tulsa Illini Club

Secretary: LeGrange Ratcliffe, '16, 202 Gillette building

Oregon

PORTLAND: The Portland Illini Club

President: A. H. Burton, '07, 585 Alder street

Pennsylvania

- PHILADELPHIA: The Philadelphia Illini Club
Secretary: Mrs. Hellen N. Armstrong, '04, 5629 Springfield avenue
PITTSBURGH: The Pittsburgh Illini Club
President: F. S. Kaller, '12, Frick building
Secretary: J. L. Crawford, '17, 241 McKee place
PITTSBURGH: Illinae Club of Pittsburgh
President: Clara Howard, '01, Carnegie Library

Tennessee

- MEMPHIS: Memphis Illini Club
President: H. A. Wiersema, '13, Morgan Eng. Co., 622 Goodwyn Institute Building
Secretary: Charles Pennebaker, '15, 1191 Vance avenue

Texas

- DALLAS: The Dallas Illini Club
President: F. D. Danford, '09, 5012 Victor street

Utah

- SALT LAKE CITY: Salt Lake City Illini Club
President: Eddy Lee, '78, 48 North Temple street
Secretary: Charles C. Brooks, '17, 931 1st avenue

Washington

- THE PUGET SOUND ILLINI CLUB
President: F. G. Carnahan, '92, 2701 Warren avenue, Seattle
Secretary: J. C. Whitelaw, '15, 1220 Boren avenue, Seattle

Wisconsin

- BELOIT: Beloit Illini Club
President: F. R. O'Neal, Hyde & Brittan building
Secretary: R. R. Hawkins, '13, Y. M. C. A.
MADISON: Madison Illini Club
President: Robert P. Gage, '14, 1710 Jefferson street
Secretary: M. E. Dunlap, '14, R. F. D. No. 6
MILWAUKEE: Milwaukee Illini Club
President: L. J. Selzer, '18, 1254 40th street
Secretary: H. L. Flodin, '15, 1326 First Wisconsin National Bank Building

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